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How the universe works alien moons worksheet answers

Stars are not eternal; are dying in unimaginably large explosions called supernovae. Secondly, only by the Big Bang, these explosions are where creation and destruction meet. Only now have we begun to understand how these wonders work in our sky. This episode details how various atomic elements, beyond iron, are created in different types of stars, the various types of corpses (pulsar, magnetar, white dwarf, black hole) that are produced by supernovae of different sizes, and the details of type 1A supernovae that made them ideal as a standard candlestick of astronomical measurements. (c) 2010 Discovery Channel Watch Documentary Watch Part Number: Views: 12,680 Date Added: 10 years ago. How the Universe Works is a miniseries that originally aired on discovery channel from April 25, 2010 to May 24, 2010. It was narrated by Mike Rowe. Have you ever wondered exactly how our Universe is assembled? How is it built? And how does it really work? This is the ultimate guide to Cosmos will show like never before the inner workings of our planet, the Solar System, galaxies and the Universe itself. This series investigates the nuts and screws of our cosmos, exploring a whole range of fascinating celestial phenomena and how they became as they are. Experts and mind-blowing CGI, they take viewers under the heavenly hood to tell the greatest story of all: the story of how we started and everything around us. Alien Moons opens up the secret worlds of our solar system. Find out where another life can exist and how, where the largest oceans are and the coldest temperatures. Find out why each moon has its own personality and how they help stabilize the plant they orbit. One of the most disconcerting questions of all is answered, why does Saturn Moon Tritan orbit backwards and what is its destiny? People who watch this documentary also look for: The Universe - Season 2 (2008) 30,161 sees Cosmic Journeys: How Great Is the Universe? (2009) 9,722 views Origin 1: Earth is born (2004) 28,540 views The Universes (2008) 17 899 views Alien Lands (2009) 11,344 views The Cosmos: A Beginner's Guide (2007) 50,209 Apollo 11 views, 16mm Onboard Film (1969) 6,696 sees NASA STS-129 Mission Footage (2009) 49,973 views The Universe - Season 1 (2007) 30,807 views All external videos on CosmoLearning are simply links to external video hosts that make insertion codes available for use by sites external websites or blogs. CosmoLearning will never be responsible for any accommodation of external productions. To contact the host company or the click on the video displayed to forward it to the original video. This article may need to be rewritten to meet Wikipedia's quality standards. You can help. The discussion page may contain suggestions. (November 2016) How the universe worksBlu-ray disc coverTo known known SeriesNarrated by Mike Rowe (Seasons 1, 3, 4, 5, 6, 7 and 8) Erik Todd Dellums (Seasons 2, 5 and 6) ComposerRichard Blair-OliphantCountry of originUnited StatesOriginal languageEnglishNo. seasons8No. episodes71 (list of episodes)ProductionManical productsHannah James Stuart CarterProducerStephen MarshRunning time43 minutesReleaseObo de redDescubrecidor (2010)Science Channel (2012-present)Original releaseApril 25, 2010 (2010-04-25) —presentExternal linksWebsite How the Universe Works is a documentary science television series that originally aired on discovery channel in 2010. The first and third seasons were narrated by Mike Rowe. [1] The second season and episodes of the fifth and sixth seasons were narrated by Erik Todd Dellums. [2] The first season, broadcast from April 25 to May 24, 2010, was released on Blu-ray on February 28, 2012. [3] Since its second season, consisting of eight episodes broadcast between July 11 and August 29, 2012, the show has aired on the Science Channel. [4] The third season aired between July 11 and August 29, 2012, the show has aired on the Science Channel. 9 and September 3, 2014. [5] The fourth season premiered on July 14, 2015, as part of Science Channel Space Week, in honor of Pluto's New Horizons flyover that day; the season ran until September 1, 2015. The fifth season of the series aired from November 22, 2016 to February 7, 2017. The sixth season premiered on January 9, 2018 and ran until March 13, 2018. The seventh season premiered on January 8, 2019, it was announced that the eighth season will premiere on January 2, 2020. [6] List of Episodes Season 1 (2010) Episode - Title Directed by Original Broadcast Date 1Big BangLouise V. SayApril 25, 2010 (2010-04-25) This is the best story ever told, creating everything we've ever told. The program investigates how the Universe came out of nowhere, and how it grew from a tiny point, smaller than an atomic particle, to the vast cosmos we see today. 2 Black HolesPeter ChinnMay 2, 2010 (2010-05-02) Black Holes, the most powerful destroyers in the Universe, the most mysterious phenomena in the heavens. For years it was just speculation, now modern astronomy is proving terrifyingly real and proving that they can well shape everything we see. 3GalaxiesLouise V. SayMay 10, 2010 (2010-05-10) Galaxies, home to stars, planets and us, come in all shapes and sizes. Witnesses to the evolution of galaxies; from clouds of cold gas floating in the voids of space 13 billion years ago, to the magnificent spirals that fill our night sky. 4StarsStarsPeter ChinnMay 10, 2010 (2010-05-10) La how the stars were made by the Universe and how the stars then went on to design everything else in that same universe. They changed the Universe by generating more generations of stars, then planets, and eventually the building blocks of life. Life. TrevisickMay 17, 2010 (2010-05-17) Stars are not eternal; are dying in unimaginably large explosions called supernovae. Secondly, only by the Big Bang, these explosions are where creation and destruction meet. Only now have we begun to understand how these wonders work in our sky. 6PlanetsLorne TownendMay 17, 2010 (2010-05-17) There are only eight planets in our solar system, but there could be one hundred billion planets only in our Milky Way galaxy. This spectacle follows the journey of the planets as they grow from grains of dust to the magnificently diverse worlds we see today. 7 Solar systems have been identified. It is only by looking at solar systems far beyond our own, that we can understand how remarkable our universe is. 8LunasShaun TrevisickMay 24, 2010 (2010-05-24) Moons come in all possible shapes and sizes. Home to incredible natural phenomena such as gigantic geysers and colossal volcanoes, the moons also offer perhaps the best chance of finding alien life in the Universe, and probably exist in billions. Season 2 (2012) Episode - Title Directed by Original Air Date 1Volcanes - The Furnaces of LifeAlex HearleJuly 11, 2012 (2012-07-11) Scientists are discovering volcanoes in worlds that we once thought dead. From our nearest planetary neighbor to small moons billions of miles away, today we are discovering volcanoes in alien worlds. Are these worlds where, tomorrow, we could find life? 2Megastorms - The winds of creationAlex HearleJuly 18, 2012 (2012-07-18) On Earth, violent and destructive storms create new life opportunities. In our guest to find out if we are alone in the universe, we should not simply search for worlds, we must look for the weather. Find the chaotic weather and maybe we'll find extraterrestrial life. 3Exoplanets - Planets of HellKate DartJuly 25, 2012 (2012-07-25) In the last 20 years we have discovered an extraordinary zoo of planetary nightmares outside our own solar system, all of them truly wild worlds, a collection of monsters. Now we must face the question: Are all planets a planet of hell? 4Megaflares - Cosmic FirestormsKate DartAugust 1, 2012 (2012-08-01) The Universe is a magnetic minefield. The Sun spits out flares capable of hitting life on Earth. But in space are the real magnetic monsters. As we discover dangerous megaflans in the cosmos, the question is, will we end up in the line of fire? Extreme - WarnerAgo 8, 2012 (2012-08-08) The only reason life on Earth is possible is because of our stable orbit around the Sun. On the larger scale, orbits are a creative force and build the fabric of Universe. 6Comets - Frozen WanderersAdam WarnerAgo 15, 2012 (2012-08-15) We follow the odyssey of a comet as it navigates space, observing every movement as it evolves from a piece of ice and rock into an active core wrapped in a gas mist. What we learn is a revelation; comets are even more mysterious than we imagined. 7Asteroids - Worlds that were neverGeorge HarrisAgo 22, 2012 (2012-08-22) From icy worlds with more fresh water than Earth to flying mountains of pure metal, asteroids shaped our past and promise a lot for the future. Could these enigmatic space rocks have the key to how life in the Universe emerges and is extinguished? 8George HarrisAgo Earth Festival August 29, 2012 (2012-08-29) Earth was formed by a series of cosmic cataclysmics that include the most powerful explosion in the Universe. However, in the midst of turmoil our world was born. Could the same chain of events have created other lands elsewhere, inhabited by creatures like us? Season 3 (2014) Episode - Title Directed by Original Broadcast Date 1TraftCJuly 9, 2014 (2014-07-09) How does sunlight escape? We take a journey from the center of the sun, following the path of light. We witnessed his fiery birth from the core, his 430,000-mile (690,000 km) battle against gravity and magnetism, and his escape from the solar surface. 2The end of the universeMark BridgeJuly 16, 2014 (2014-07-16) How and when will the Universe end? Gravity and dark matter are prepared to annihilate the Universe in a great creak. Expansion and dark energy can shatter it. Or, a phase transition could kill us tomorrow in a cosmic death bubble. 3 Jupiter: Destroyer or Savior? Mark BridgeJuly 23, 2014 (2014-07-23) Beneath Jupiter's swirling clouds are the deepest secrets of our solar system, from its violent youth to the birth of life, to the death of the sun. Now, scientists are uncovering that all living things exist thanks to Jupiter. 4Primer Second of the Big BangMark BridgeJuly 30, 2014 (2014-07-30) The first second in the Universe, creating everything when space, time, matter and energy burst into existence. It is the second most important in history, which seals the destiny of the Universe and defines everything that comes next, including us. 5 Is Saturn alive? Mark BridgeAugust 6, 2014 (2014-08-06) Saturn's secrets are out. The fierce climate, the evolution of the ring system and the discovery of active geology on Saturn's moons have rewritten the textbooks. Scientists are looking for life on Saturn's moons and may have found it in Titan. Of Mass ExtinctionMark BridgeAgo 13, 2014 (2014-08-13) An overview of historical mass extinctions and what is in reserve for the future. 7 Did the Milky Way build a black hole? Mark BridgeAgo 20, 2014 (2014-08-20) What built the Milky Way? New New now he might have the answer, revealing an unlikely hero. At the heart of our galaxy is a supermassive black hole, one of the most destructive objects in the Universe. Could he be our creator? 80ur Journey to the StarsMark BridgeAgo 27, 2014 (2014-08-27) One day, a cosmic disaster will make life on Earth impossible. To survive, we must find a new home among the stars. Scientists are already developing new propulsion systems to take us to these distant worlds. 9The search for a second landMark BridgeSe evaluatedmber 3, 2014 (2014-09-03) Is there another Earth out there with liquid oceans, rocky continents and life like us? Astronomers seek the answer with spectroscopy, direct imaging and telescopes. They hope to find evidence of atmospheres and signs of life. Season 4 (2015) Episode - Title Directed by Original Broadcast Date 1How the Universe Built Your CarMark BridgeJuly 14, 2015 (2015-07-14) Under the hood of your car is the history of the Universe. The iron in your chassis, the gold in your stereo, and the copper in your electronics owe their existence to violent cosmic events that took place billions of years ago. 2Landra, VenusMark BridgeJuly's evil twin 21, 2015 (2015-07-21) There is a hellish planet in our solar system, covered in thick dense clouds and roasted by colossal temperatures. Incredibly this is a vision of the future of the Earth. To understand how our world will be destroyed, we need to look at Earth's evil twin, Venus. 3Monster Black HoleMark BridgeJuly 28, 2015 (2015-07-28) Black holes are the least understood places in the universe, where the rules of physics collapse. We entered the supermassive black hole in the center of the Milky Way. 4Borde of the SolarMark BridgeAgost System 4, 2015 (2015-08-04) Giant magnetic bubbles millions of miles wide, strange invisible matter, and a death star breaking through bands of icy comets, throwing them into violent orbits. All this and more could be inside our cosmic backyard, and carry out our lives on Earth. 5Samanecer of LifeMark BridgeAgo 11, 2015

(2015-08-11) We are on the verge of the inconversion of what life on Earth became. Our origin is a much-contested scientific debate. Do we come from strange volcanic hatcheries under the sea? Or did life on Earth come from another planet? 6Re secret history of the moonMark BridgeAgo 18, 2015 (2015-08-18) Our Moon is stranger than you think, and we reveal its incredible secrets. Can we thank the Moon for life on Earth? What explains the mysterious tunnels beneath its surface? Is a lunar base the key to humanity's future in space? 7The first oceansMark BridgeAgost 25, 2015 For years, scientists suspected that the oceans came from molecules delivered to Earth from distant stars by asteroids, but a new discovery suggests that their true origins may be more exotic. 8Userges of ConstructionMark BridgeSeptember 1, 2015 (2015-09-01) There is a mysterious force that cannot be seen or touched, but affects everything in the universe. Magnetism has shaped our cosmos, and without it, Creation would simply disintegrate. We follow scientists trying to understand how this strange force works. Season 5 (2016-17) Episode - Title Directed by the original broadcast date 1More incredible discoveries TBANovember 22, 2016 (2016-11-22) From the farthest reaches of space to our own cosmic backyard, we count the discoveries that changed everything we know about our universe. 2Mystery of Planet 9TBANovember 29, 2016 (2016-11-29) Scientists have discovered a mysterious ninth planet on the very edge of our solar system. Ten times the size of the Earth, this strange world could have moons with extraterrestrial life. 3Black Holes: The Secret OriginTBADecember 6, 2016 (2016-12-06) The question in every galaxy and super anomaly in the minds of students and spectators is: How do black holes grow so massive? For each possible solution, there is a different cause. The study continues. 4QBAJanuary 3, 2017 (2017-01-03) Astronomers discovered a number of other icy objects orbiting Pluto. Renewed interest awoke, especially after the New Horizons probe took some high-resolution photos of Pluto in 2015. 5Stars killingTBAJanuary 10, 2017 (2017-01-10) The universe is home to real-life death stars that could destroy planet Earth. The latest science reveals the terrifying secrets of NASA's six deadliest: vampire stars, supernovae that can vaporize a planet, and unpredictable stars that became roque. 6The deadliest in the universeTBAJanuary 17, 2017 (2017-01-17) The ultimate guide to the worst places in the universe. There is Betelgeuse in her death, who could become a supernova and possibly a death star. Chuck the crash test doll will be sent on trips to other deadly events. 7Life and death on the red planetTBAJanuary 24, 2017 (2017-01-24) Life on Mars went through a series of life-impacting events, and the first impact may have sown life on Earth through rubble of Mars. 8The Enigma of Dark MatterTBAJanuary 31, 2017 (2017-01-31) Dark matter is the greatest mystery of the cosmos. Scientists know it has been vital to the universe since its inception, and new discoveries reveal that it could create black holes, cause mass extinctions, and could even have helped shape life on Earth. Could there be a universe of dark matter that can explain all the events that are not really definable? 9World aliens more 7, 2017 (2017-02-07) Discoveries of new planets have revealed countless worlds far stranger than Earth. Some of these strange worlds have no stars, others are made of diamonds. Will we ever find a planet like Earth, or are these distant worlds all stranger than fiction? Fiction? 6 (2018) Episode? Title Directed by Original Broadcast Date U.S. Viewers (thousands) 1 Are black holes real? TBAJanuary 9, 2018 (2018-01-09)375[7] New discoveries are challenging everything we know about black holes -- astronomers are beginning to guestion whether they exist. The latest science tries to explain how they work and how they look, despite the fact that we've never seen one. 2Twin Suns: The Alien MysteriesTBAJanuary 16, 2018 (2018-01-16)385[8] Planets orbiting two suns instead of one could be deadly hellish worlds, but new discoveries reveal that star sci-fi systems with binary stars could be optimal places for alien life. 3Hesting history of the solarTBAJanuary system 23, 2018 (2018-01-23)347[9] New discoveries reveal that Earth and planets were formed from the destruction of strange alien worlds. 4Move of the Milky WayTBAJanuary 30, 2018 (2018-01-30)341[10] The Milky Way is dying, and experts are investigating what is killing it. 5Urano & Surano & Surano & Surano & Surano & Surange Planets Could have helped start life on Earth. 6E secret history of MercuryTBAFebrero 13, 2018 (2018-02-13)346[12] Mercury is a mortal world, facing attacks from the Sun, comets and other planets, and although it is the smallest planet in our solar system, it has a dangerous secret that could one day threaten life on Earth. 7The Enigma QuasarTBAFebrero 20, 2018 (2018-02-20)371[13] Quasars are the brightest and most powerful objects in our universe, and although they have shaped the cosmos, they could ultimately destroy all that exists. 8Extraves lives of dwarf planetsTBAFebrero 27, 2018 (2018-02-27)302[14] Our solar system is home to hundreds of strange and tiny worlds called dwarf planets, and new discoveries reveal the secrets of these mysterious places. 9Warning asteroidsTBAMarch 6, 2018 (2018-03-06)333[15] Scientists are using cutting-edge technology to stop an asteroid apocalypse, and for the first time, humanity is closer than ever to keeping Earth safe from these killer space rocks. 10Space-time mysteriaTBAMarch 13, 2018 (2018-03-13)395[16] Space-time is the secret structure that controls our universe, and this strange four-dimensional substance controls time, light and energy. It will also determine how our universe will end. Season 7 (2019) Episode - Title Directed by Original Broadcast Date U.S. Viewers (thousands) 1 Neutron Star DumpsTBAjanuary 8, 2019 Neutron stars are strange and violent phenomena that defy the laws of physics, and new discoveries reveal that these strange nightmares are much more deadly than we thought, with the power to destroy planets and even other stars. 2When supernovae supernovae are the violent death of giant stars, and reveal that these cataclysmic events created the elements that are essential for life in the universe. 3The interstellar mysteries TBAJanuary 22, 2019 (2019-01-22)N/A Interstellar Space is the space between the stars of the universe and the new discoveries reveal that it is not empty and unremarkable as previously thought, but full of strange objects and strange phenomena that could harbor the darkest secrets of our cosmos. 4How black holes made usTBAJanuary 29, 2019 (2019-01-29)326[19] Black holes are not the violent monsters we believe they are, and new discoveries reveal that they might have been essential to creating stars, giving light, and building the universe itself. 5Worlds secrets of nebulaeTBAFebrero 5, 2019 (2019-02-05)N/A Nebulae are the strange structures of cosmic gas and dust where stars are born and die, and new discoveries reveal the secrets of these mysterious objects. 6 Did the Big Bang really happen? TBAFebrero 12, 2019 (2019-02-12)270[20] New discoveries are causing astronomers to wonder if the Big Bang actually happened, and using the latest science, investigate whether it was not only the beginning of our universe, but many mysterious multiverses. 7Batalla of the Dark UniverseTBAFebrero 19, 2019 (2019-02-19)222[21] Dark matter and dark energy are blocked in an epic battle for control of the universe. New discoveries could reveal what strength will emerge victorious. 8Caza of extraterrestrial lifeTBAFebrero 26, 2019 (2019-02-26)246[22] The latest discoveries suggest that we could be on the verge of discovering life beyond our planet. Scientists are investigating whether Earth's life began in other parts of the universe and whether we need to evolve to know for sure. 9Contracting the New EarthTBAMarch 5, 2019 (2019-03-05)264[23] New discoveries have revealed thousands of exoplanets beyond our solar system. Some look like Earth enough that one can be a new home for humanity. Even with state-of-the-art technology, finding the perfect one is the scientific challenge of the time. 10 CassiniTBAMarch's final secrets 12, 2019 (2019-03-12)303[24] For twenty years, NASA's Cassini spacecraft revealed Saturn's strange secrets until it vaporized into Saturn's atmosphere. But today his legacy is still alive, as the probe's newly analyzed data helps scientists make additional discoveries. Season 8 (2020) Episode - Title Original Air Date U.S. Viewers (thousands) 1 Asteroid Apocalypse — The New Threat2 January 2020 (2020-01-02)290[25] If a Massive Asteroid Collides Earth, could end life on our planet as we know it. The new discoveries reveal how close we are to the apocalypse and what it would take for the world's leading space agencies to stop it. 2 NASA's January 2020 Voyage to Mars9 (2020-01-09)314[26] NASA is in a to send humans to Mars in just 15 years, but to reach this next frontier of space exploration, experts must discover new technology and cutting-edge science that protects astronauts from the deadliest killers on the red planet. 3Inser Evidence Case 16 January 2020 (2020-01-16)299[27] The discovery of extraterrestrial life could face an impossible challenge: the physics of the universe itself. With cutting-edge technology, experts could be on the verge of an innovative find, and the evidence could already be in hand. 4Muert of the last stars 23 of January 2020 (2020-01-23)315[28] The stars of our universe are dying faster than the new ones are born, and using the latest technology, experts investigate the secrets of the last stars of the cosmos and what this stellar apocalypse means for life on Earth. 5Time travel secrets30 January 2020 (2020-01-30)276[29] Time travel might be more possible than we ever imagined, and today, cutting-edge technology and the latest research on black holes and wormholes is helping experts get closer to discovering how to travel through time. 6When NASA met with Jupiter6 February 2020 (2020-02-06)283[30] NASA's Juno spacecraft is part of a state-of-the-art mission to explore Jupiter's mysteries. As this powerful probe is filled with deadly radiation, it collects new data that could change everything we know about the larger planet in the solar system. 7Edge of the Universe13 of February 2020 (2020-02-13)296[31] We still do not know where the edge of the universe is or what happens there; but thanks to cutting-edge technology and new discoveries, experts could finally reveal the secrets of phenomena that can be found in the deepest confines of the cosmos. 8Monstruos of the Milky Way20 of February 2020 (2020-02-20)281[32] The center of the Milky Way is home to strange and deadly phenomena that we do not yet understand, but using the latest science, experts are revealing how the supermassive black hole in our galaxy shapes life on Earth. 9The orbit of Earth's death27 February 2020 (2020-02-27)314[33] Earth's journey through the universe is dangerous, and new discoveries reveal that our planet is heading toward a mysterious area of the cosmos that could drive us out of the Milky Way and into oblivion. See also Alien Planet Cosmos: A Spacetime Odyssey Extreme Universe Into the Universe with Stephen Hawking Space's deepest secrets through the wormhole, the universe refers to How the Universe Works. Discovery Channel. Archived from the original on 22 August 2010. Consulted September 3, 2010. How the universe works in IMDb How the Blu-ray universe works. Amazon.com. Retrieved 8 April 2012. How Universe Season 2 works. The Science Channel. Retrieved 14 July 2012. How the universe Works premiering Thursday, January 2 at 9PM. The futon critic. December 30, 2019. Mitch Metcalf. Top 150 Tuesday Original Cable: 1.9.2018. Showbuzz Daily. Retrieved January 16, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 1.23.2018. Showbuzz Daily. Retrieved January 23, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Showbuzz Daily. Retrieved January 30, 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.6.2018. Mitch Metcalf. Top 150 Tues February 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.13.2018. Showbuzz Daily. Retrieved 13 February 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.27.2018. Showbuzz Daily. Retrieved 27 February 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 3.06.2018. Showbuzz Daily. Retrieved 6 March 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 3.13.2018. Showbuzz Daily. Retrieved 13 March 2018. Mitch Metcalf. Top 150 Tuesday Original Cable: 1.8.2019. Showbuzz Daily. Retrieved 8 January 2019. Mitch Metcalf. Top 150 Tuesday Original Cable: 1.15.2019. Showbuzz Daily. Retrieved 29 January 2019. Mitch Metcalf. Top 150 Tuesday Original Cable: 1.29.2019. Showbuzz Daily. Retrieved 29 January 2019. Mitch Metcalf. Metcalf. Top 150 Tuesday Original Cable: 2.12.2019. Showbuzz Daily. Retrieved 12 February 2019. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.12.2019. Showbuzz Daily. Retrieved 19 February 2019. Mitch Metcalf. Top 150 Tuesday Original Cable: 2.26.2019. Showbuzz Daily. Retrieved 26 February 2019. Mitch Metcalf. Top 150 Tuesday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 5 March 2019. Mitch Metcalf. Top 150 Tuesday Original Cable: 3.12.2019. Showbuzz Daily. Retrieved 12 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.12.2019. Showbuzz Daily. Retrieved 12 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 12 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 12 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 12 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 12 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Retrieved 15 March 2019. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Mitch Metcalf. Top 150 Thursday Original Cable: 3.5.2019. Showbuzz Daily. Mitch Metcalf. 1.2.2020. Showbuzz Daily. Retrieved January 2. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.9.2020. Showbuzz Daily. Retrieved January 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.16.2020. Showbuzz Daily. Retrieved January 16. 2020. Mitch Metcalf. Top 150 Thursday Original Cabl Thursday Original Cable: 1.23.2020. Showbuzz Daily. Retrieved January 23, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 1.30.2020. Showbuzz Daily. Retrieved February 6, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.13.2020. Showbuzz Daily. Retrieved February 13 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 150 Thursday Original Cable: 2.27.2020. Showbuzz Daily. Retrieved February 20, 2020. Mitch Metcalf. Top 2020. Mitch Metcalf. Top 2020. Mitch Metcalf. Daily. Retrieved 27 February 2020. External links How the universe works in IMDb Recovered from

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