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Usgs pangaea puzzle answer key

Overview: This lesson is based on Alfred Wegener's pioneering study which showed that the scattered distribution of certain fossilized plants and animals at this time, broadly separated continents would form a coherent pattern if the continent rejoined as a pre-existing supercontinent gondwanaland. Although Alfred Wegener is not the first to point out that the continent has moved on earth, his presentation of carefully structured evidence for continental drift inspired decades of scientific debate. Wegener's evidence, in concert with comical evidence provided by post-World War II technology, eventually led to a universal acceptance of tectonic plate theory in the scientific community. NGSS Alignment Objectives: Lesson 1: Wegener's Confusing Evidence Exercise Students will observe and analyze the scientific evidence used by Wegener. Students will read and interpret maps and map symbols. Students will use the evidence to try to reconstruct the continent. Students will interpret the evidence to formulate a hypothesis. Students will maintain their position on continental drift. Lesson 2: Plate Tectonics Tennis Ball Globe Students will examine one method for creating a two-dimensional map of a rounded surface. Students will create a model of the earth that they can hold and examine. Students will examine the boundaries of plates, continents, and oceans around the world. Students will check the boundaries of different plates, convergent, and change. Students will draw plate boundaries on a map and learn that more scientific data is needed to more accurately find certain boundaries. Students will compare the features on the corresponding map on the ball with the same features on a flat, two-dimensional more standard map to learn how our standard map is distorted to the poles. Required Materials: Included in the companion teaching pdf: Overview: Tectonic Plates in Nutshell Papers and maps (see attachments) Coloring items — pencils, markers, sharp crayons Glue Scissors or Old tennis ball tape - lesson 2 Lesson Plan: Lesson 1: Wegener's Puzzling Evidence Exercise Complete lesson plan Overview: The teacher presents an overview of Wegener's the Student cutting and coloring continental pieces according to fossil evidence. Groups of students organized the pieces using Key to Wegener's Evident to support their arrangements and present and maintain their reconstruction. Students must understand that using continental forms to fit them back together is using one type of evidence. Using the same type of rock is another form of evidence, and the existence of the same type and age of fossils is another. Ask students if they can think of other types of evidence to look for that might be useful in solving their puzzles. Lesson 2: Plate Tennis Ball Globe Papa lesson plan description: It's This create a mini world ball that shows the boundaries of the world's main plates. This gives each student his or her own physical model of the Earth's plates and helps teach how difficult it is to accurately describe the ball (three-dimensional) on a flat (two-dimensional) map. Overview: This lesson is based on Alfred Wegener's pioneering study which showed that the scattered distribution of certain fossilized plants and animals at this time, broadly separated continents would form a coherent pattern if the continent rejoined as a pre-existing supercontinent gondwanaland. Although Alfred Wegener is not the first to point out that the continent has moved on earth, his presentation of carefully structured evidence for continental drift inspired decades of scientific debate. 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Students must understand that using continental forms to fit them back together is using one type of evidence. Using existence The same rocks are another form of evidence, another, the presence of the same type and age of fossils is another. Ask students if they can think of other types of evidence to look for that might be useful in solving their puzzles. Lesson 2: Overview of The Globe Complete Plate Tectonics Tennis Ball lesson plan: This activity creates a mini ball that shows the boundaries of the world's major plates. This gives each student his or her own physical model of the Earth's plates and helps teach how difficult it is to accurately describe the ball (three-dimensional) on a flat (two-dimensional) map. Your Free Preview Page Reading 4 through 5 is not shown in this preview. This crossword puzzle about plate tectonics is a fun vocabulary review for students and contains the following: 1. Empty Version without the word bank 2. Blank Version with word bank 3. Answer Main Vocabulary Words: ♦ Continental Drift ♦ Convection Current ♦ Convergent ♦ Divergent ♦ Earthquake ♦ Fault ♦ Hot Spot ♦ Pangaea ♦ Seismic Waves ♦ Seismograph ♦ Subduction Zone ♦ Tectonic Plate ♦ Important Transform: If you enjoy this product, see my Crossword product line: Space Science: Get all 5 (25% OFF) in bundles! ♦ Comets, Meteors, Asteroids etc. ♦ Eclipse ♦ Phase of ♦ Moon ♦ Earth Sciences Solar System: Get all 15 (40% OFF) in Bundles! ♦ ♦ Cloud Erosion and fossil ♦ ♦ Landforms ♦ Atmospheric Layers ♦ Earth Layers ♦ Natural Disasters ♦ Natural Resources ♦ Tectonic Plates ♦ Rock Cycle ♦ Seasons ♦ Soil ♦ Volcanoes ♦ Water Cycle ♦ Weather Life Science: Get all 20 (50% OFF) in Bundles! ♦ Animal ♦ Biomas ♦ Cell Structure ♦ Ecosystem dna ♦ ♦ Evolution ♦ Food Webs ♦ Genetic Engineering ♦ Habitat ♦ Heredity ♦ Human Body System ♦ ♦ Butterfly Life cycle ♦ ♦ Life Cycle ♦ Frogs ♦ Macromolecules ♦ Microscope Parts ♦ Mitosis ♦ Photosynthesis ♦ Plant Parts ♦ Six Kingdoms of Life Physical Sciences : Get all 14 (40% OFF) in Bundle! ♦ Atomic Structure ♦ ♦ ♦ Elements, Compounds, ♦ Mixtures of Force and Movement ♦ Magnetic Forms ♦ Energy ♦ Periodic Table ♦ Material Properties ♦ Scientific Method ♦ Sound and Light ♦ Material State ♦ Wave ♦ Thermal Energy ===== In addition to each purchase, you will see the Give Feedback button. 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