

6th Grade Earth Science Semester 1 Exam Study Guide

S6E5 a. Compare and contrast the Earth's crust, mantle, and core including temperature, density, and composition.

1. Describe the state of matter and composition of the mantle (for all 3 layers). **Crust: solid rock, mostly granite and basalt; Mantle: Solid and liquid rock; Core: outer core is liquid iron and nickel, inner is solid iron and nickel**
2. Which layer of earth is made up of tectonic plates? **lithosphere**
3. How do we know what the inside of the earth looks like and what it is made of? **By recording and studying seismic waves**
4. What happens to the earth's pressure the deeper you go into the earth? **It increases**
5. **The Outer Core** is responsible for making the earth's magnetic field.
6. The core is mostly made up of **iron & nickel**
7. Describe the difference between the core and the mantle in terms of temperature and density: **the core has higher temperatures and density**

S6E5 b. Investigate the contribution of minerals to rock composition.

8. What are minerals made of? **elements**
9. What do all minerals have in common? **inorganic, solid, naturally formed, crystal structure, unique make-up/composition**
10. True or **False**: Minerals are or once were organic.
11. Define the following terms as they relate to minerals:
Streak: **the color of the mineral in its powdered form**
Luster: **way the mineral reflects light (metallic, dull, glassy, etc)**
Cleavage: **tendency of a mineral to break in smooth pattern**
Fracture: **tendency of a mineral to break in a rough and jagged manner**

Mineral	Hardness	Way it breaks	Luster	Streak	Color
Galena	2.5	cleavage	metallic	gray-black	silver, gray
Magnetite	6	fracture	metallic	black	black
Hematite	6	fracture	metallic-dull	red-brown	red-brown, silver, black

12. Use the chart above to answer this question: Susan wants to identify a dark, heavy mineral sample she found in the classroom collection. She notices there are three minerals in a chart in a reference book that might match her sample. Susan next observes that her sample mineral has flat, reflective surfaces that break into boxlike steps. She infers the mineral may be galena. If she is correct, one more test will verify her inference. Which property would be best for her to observe next? **hardness**

S6E5 c. Classify rocks by their process of formation.

13. What is the difference between intrusive and extrusive? **Intrusive is formed inside the earth by the cooling of magma; extrusive is formed outside the earth by the cooling of lava**
14. How do each of the following rock types form?
Sedimentary: **WEDOC**
Metamorphic: **heat and /or pressure**
Igneous: **melting and cooling of magma/lava**
15. Why do some igneous rocks have holes? **Bubbles of air were trapped in the rock when it cooled**
16. Tell about the traits that are unique to each type of rock:
Sedimentary: **breaks easily/ crumbly, fossils, layers, pebbles are visible**
Metamorphic: **small crystals, bands**
Igneous: **smooth and glassy, gas bubble holes, large crystals**

S6E5 f. Explain the effects of physical processes (plate tectonics, erosion, deposition, volcanic eruption, gravity) on geological features including oceans (composition, currents, and tides).

17. Tectonic plates are found in which layer of earth? **lithosphere**

6th Grade Science Study Guide Answers

Richard Bailey



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function of the imagination, and its many expressions. Jung on Active Imagination Jung learned to develop an ongoing relationship with his lively creative spirit through the power of imagination and fantasies. He termed this therapeutic ...

Active Imagination: Confrontation with the Unconscious Active Imagination Active imagination is a method of assimilating unconscious contents (dreams, fantasies, etc.) through some form of self-expression. The object of active ...

Active Imagination: Confrontation with the Unconscious May 9, 2022 — Although Jung held dreams in high regard, he considered active imagination to be an even more effective path to the unconscious. The difference ... Jung on active imagination. by CG Jung · 1997 · Cited by 319 — Abstract. This volume introduces Jung's writings on active imagination. For many years, people have had to search throughout the Collected Works and elsewhere, ...

Answer Key for The newborn nightmare CS.docx Part 3

1. I agree with Dr. Maddison's hunch that the babies could have either streptococcus or staphylococcus considering that their symptoms (rash, peeling skin ...

The Case Of The Newborn Nightmare Case Study.docx The case of the newborn nightmare case study Part 1

1. Dr. Maddison is facing a number of challenges. First, he has three very sick babies in his clinic.

SOLUTION: The Case of the Newborn Nightmare The specimens were taken from some unusual skin lesions on three of our infants. I know that we need at least a routine culture and sensitivity with Gram stain.

The Case of the Newborn Nightmare: Part V Nov 3, 2015 — Question: The Case of the Newborn Nightmare: Part V The nasal swabs taken from the hospital staff can be analyzed to determine the strain of S.

Case Study- The Case of the Newborn Nightmare

1. what challenges Dr Maddison is facing?
2. What information does he have so far about the infection?
3. What are some possible causes of skin infections?

List ... Chapter 21 Flashcards (review the NEWBORN NIGHTMARE case study). Exfoliative toxin from Staph. aureus. Fever, red raised blistering skin, peeling skin. Culture baby's nose and ...

CASE TEACHING NOTES for "The Case of the Newborn ... by A Wade — CASE TEACHING NOTES for "The Case of the Newborn Nightmare" by Andrea Wade. Page 3.

ANSWER KEY. Answers to the questions posed in the case ... Solved Newborn nightmare by Andrea Wade, what are the Oct 5, 2019 — Newborn nightmare is a case study done by Dr Andrea wade. Case study focuses on development of mysterious rashes among newborns. The Case of the Newborn Nightmare Oct 10, 2001 — Three newborns left in the care of "Dr. Mark Maddison" have developed a mysterious rash. Under increasing pressure from hospital ...

Lab Practical Flashcards In regard to the "Case of the Newborn Nightmare," what was the name of the bacteria that caused the whole neighborhood to be sick? What is the common source ...