

Nova's Rock-Solid Discovery Quiz

Learning objective: To identify and describe the properties of different types of rocks and understand how fossils are formed.

Join Nova the owl for a flight through the world of geology! Read each question carefully and circle the best answer or write your response in the space provided.

Answer Key: 1.C, 2.True, 3.Igneous, 4.False, 5.Sedimentary, 6.Permeable, 7.Magma, 8.B, 9.True, 10.Sedimentary.

Word bank: sedimentary · igneous · metamorphic · permeable · fossil · magma · weathering

1. Which type of rock is formed from cooling magma or lava? A) Sedimentary B) Metamorphic C) Igneous* D) Chalk (1 mark)

2. True or False: Fossils are most commonly found in sedimentary rocks. (1 mark)

3. Which rock type is formed under intense heat and pressure deep underground? (1 mark)

4. True or False: All rocks are hard and impossible to scratch. (1 mark)

5. Which type of rock is formed from layers of sediment building up over a long time? (1 mark)

6. What do we call a rock that allows water to pass through it? (1 mark)

7. What is the name for molten rock when it is still trapped beneath the Earth's surface? (1 mark)

8. Which of these is a natural process that breaks rocks into smaller pieces? A) Melting B) Weathering* C) Freezing D) Printing (1 mark)

9. True or False: Granite is an example of an igneous rock. (1 mark)

10. 10. Which type of rock would you be most likely to find on a sandy riverbed? (1 mark)

Draw: Draw a diagram of a fossil trapped inside a layer of rock. Label the 'Sediment Layer' and the 'Fossil'.



Extension challenge: Imagine you are a geologist! Write a short paragraph explaining how a piece of igneous rock might eventually turn into a sedimentary rock over millions of years.