

**Pumice** is a light, porous igneous rock that forms during **explosive volcanic eruptions**. It is created when **gas-rich magma** is violently ejected from a volcano and rapidly cools. As the magma cools quickly, the gases trapped inside expand and escape, forming **tiny bubbles** throughout the rock. This results in a **frothy texture** full of **air-filled holes**, or **vesicles**, which makes pumice **very lightweight**—in fact, it is one of the only rocks that can **float on water**. Pumice is usually **light grey, white, or pale brown** in color, and its rough surface can be abrasive. Because of its texture, pumice is often used in **exfoliating products, abrasives**, and even in **lightweight concrete**. Its unique properties—such as low density, high porosity, and abrasive surface—are directly linked to its explosive volcanic origin and the rapid cooling process that traps gases inside the rock.

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### Multiple Choice Questions (10)

#### 1. What type of rock is pumice?

- A. Sedimentary
- B. Metamorphic
- C. Igneous
- D. Fossilized

✓ Answer:

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#### 2. How is pumice formed?

- A. From slow cooling of magma underground
- B. From compacted plant material
- C. From rapid cooling of gas-rich lava during an explosion
- D. From layers of sand cemented together

✓ Answer:

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#### 3. What makes pumice able to float on water?

- A. Its iron content
- B. Its smooth surface
- C. Its gas-filled pores
- D. Its high temperature

✓ Answer:

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#### 4. What are the holes in pumice called?

- A. Craters
- B. Vesicles
- C. Cells
- D. Bubbles

✓ Answer:

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**5. What texture does pumice have?**

- A. Glassy and smooth
- B. Rough and bubbly
- C. Layered and sandy
- D. Waxy and soft

 **Answer:**

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**6. Why is pumice used in exfoliating products?**

- A. It is magnetic
- B. It smells nice
- C. It is abrasive
- D. It is soft and smooth

 **Answer:**

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**7. What color is pumice usually?**

- A. Bright red
- B. Dark green
- C. Light grey or white
- D. Blue and black

 **Answer:**

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**8. What is the main cause of the holes in pumice?**

- A. Water erosion
- B. Burrowing animals
- C. Escaping gases
- D. Wind blowing over lava

 **Answer:**

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**9. Which of the following is NOT a use for pumice?**

- A. Concrete
- B. Exfoliating scrubs
- C. Cooking oil
- D. Abrasive tools

 **Answer:**

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**10. What property of pumice is directly linked to its volcanic origin?**

- A. Its colour
- B. Its hardness
- C. Its vesicular texture
- D. Its smell

 **Answer:**