



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 An **extrusive igneous rock** with a mineral composition of 35% quartz, 35% potassium feldspar, 15% plagioclase feldspar, 10% biotite, and 5% amphibole is called

- A rhyolite
- B granite
- C gabbro
- D basaltic glass



2 Which sequence of change in rock type occurs as **shale** is subjected to **increasing heat and pressure**?

- A shale → schist → phyllite → slate → gneiss
- B shale → slate → phyllite → schist → gneiss
- C shale → gneiss → phyllite → slate → schist
- D shale → gneiss → phyllite → schist → slate

3 Compared to dull and rough rock surfaces, **shiny and smooth rock surfaces** are most likely to cause **sunlight** to be

4 Which **sedimentary rock** is most likely to be changed to **slate** during **regional metamorphism**?



5

## PREVIEW

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6 **Weathering** by water and water vapor. The sedimentary rock layers are being weathered and eroded at **different rates** primarily because the rock layers

- A formed during different time periods
- B contain different fossils
- C have different compositions
- D are horizontal



**metamorphism** between them?

- A shale and conglomerate
- B shale and sandstone
- C limestone and sandstone
- D limestone and granite



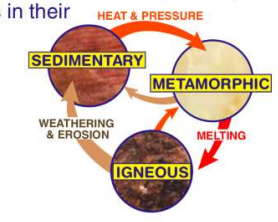
9 Which common rock is formed from the **solidification of molten material**?

- A rock gypsum
- B slate
- C rhyolite
- D coal



10 Rocks can be classified as **sedimentary**, **igneous**, or **metamorphic** based primarily upon differences in their

- A color
- B density
- C origin
- D age





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7 The sedimentary rock layers are being weathered and eroded at **different rates** primarily because the rock layers

- A formed during different time periods
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- D are horizontal



8 Which pair of rocks is most likely to undergo **metamorphism** between them?

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- B shale and sandstone
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