



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



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

- A reflected
- B refracted
- C scattered
- D absorbed



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

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

- A breccia
- B conglomerate
- C dolostone
- D shale



## PREVIEW

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a...  
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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

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



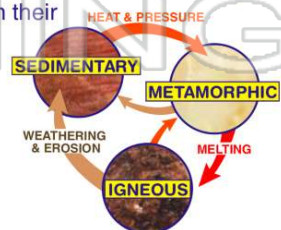
9 Which common rock is formed from the **solidification of molten material**?

- 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





## ANSWER KEY

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

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(a)

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

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

(b)

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

- A reflected
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(a)

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

- A breccia
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(d)

**PREVIEW**

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- D are horizontal

- C limestone and sandstone
- D limestone and granite



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

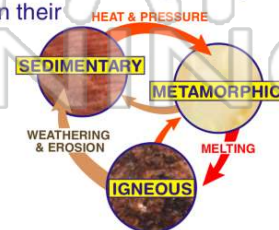
- A rock gypsum
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- C rhyolite
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(c)

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

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(c)