

Name: \_\_\_\_\_

Period: \_\_\_\_\_

**1. Most igneous rocks form by which processes?**

- A) heat and pressure
- B) melting and solidification
- C) compaction and cementation
- D) erosion and deposition

**2. Most metamorphic rocks form by which processes?**

- A) heat and pressure
- B) melting and solidification
- C) compaction and cementation
- D) erosion and deposition

**3. Wavy bands of light and dark minerals visible in gneiss bedrock probably formed from the**

- A) cementing together of individual mineral grains
- B) cooling and crystallization of magma
- C) evaporation of an ancient ocean
- D) heat and pressure during metamorphism

**4. Which igneous rock has a vesicular texture and contains the minerals potassium feldspar and quartz?**

- A) andesite
- B) pumice
- C) scoria
- D) pegmatite

**5. Which property is most useful in distinguishing pyroxene from amphibole?**

- A) sample size
- B) hardness
- C) type of luster
- D) angles of cleavage

**6. The mineral graphite is often used as**

- A) a lubricant
- B) an abrasive
- C) a source of iron
- D) a cementing material

**7. By which process is quartzite formed?**

- A) deposition of sediment
- B) evaporation of saltwater
- C) metamorphism of sandstone
- D) solidification of magma

**8. Which metamorphic rocks forms only from contact with magma or lava?**

- A) hornfels
- B) gneiss
- C) metaconglomerate
- D) slate

**9. A sample of slate is exposed to increased heat and pressure. What rock will it change in to?**

- A) gneiss
- B) marble
- C) phyllite
- D) shale