

Name \_\_\_\_\_

## The Colorful World of Minerals and Gems

### Multiple Choice Questions

1. What primarily determines a mineral's color?
  - A) Size of the mineral
  - B) Temperature at which it forms
  - C) Chemical composition
  - D) Amount of pressure applied
  
2. Which element is responsible for the green color in malachite?
  - A) Copper
  - B) Iron
  - C) Chromium
  - D) Nickel
  
3. How can radiation affect the color of certain minerals?
  - A) It turns them into gemstones.
  - B) It makes them transparent.
  - C) It changes their color over time.
  - D) It has no effect on minerals.
  
4. What causes pleochroism in minerals?
  - A) Exposure to radiation
  - B) High pressure
  - C) Variation in the crystal structure
  - D) Chemical composition
  
5. Why can the same mineral appear different colors when viewed from different angles?
  - A) It reflects all colors of light.
  - B) It absorbs all colors of light.
  - C) It has pleochroism.
  - D) It is heated.

