

Name \_\_\_\_\_

## Magnets in Mining: Unearthing Earth's Treasures

### Multiple Choice Questions

1. What is the primary purpose of magnetic prospecting in the mining industry?
  - a) Extracting minerals from the Earth's surface
  - b) Identifying potential mineral deposits underground
  - c) Separating magnetic and non-magnetic materials
  - d) Purifying mined minerals
  
2. Which mining technique uses magnetic drums and conveyor belts for separation?
  - a) Hydraulic mining
  - b) Open-pit mining
  - c) Placer mining
  - d) Magnetic separation
  
3. How do electromagnets contribute to the mining industry?
  - a) They create strong magnetic fields to attract impurities.
  - b) They serve as tools for drilling and blasting.
  - c) They aid in transporting ore to processing plants.
  - d) They are used for prospecting magnetic minerals.
  
4. In recycling facilities, what materials are commonly separated using magnetic techniques?
  - a) Plastic and glass
  - b) Paper and cardboard
  - c) Ferrous and non-ferrous metals
  - d) Organic waste and electronics
  
5. What role do magnetometers play in the mining process?
  - a) Measuring variations in the Earth's magnetic field
  - b) Crushing and grinding raw ore
  - c) Creating strong magnetic fields
  - d) Separating impurities from valuable minerals

