

Name \_\_\_\_\_

## Magnets in Mining: Unearthing Earth's Treasures

### Short Answer

1. Explain the concept of magnetic prospecting and how it helps geologists identify potential mineral deposits.
2. Describe the role of magnetic drums and conveyor belts in the mining industry's magnetic separation process.
3. How do electromagnets function in purifying mined minerals, and why is this purification important?
4. Provide examples of the types of materials separated using magnetic techniques in recycling facilities.
5. Discuss the environmental benefits of using magnetic separation in recycling and its contribution to sustainability.

