

# Magnetic Earth Scavenger Hunt

### **Overview:**

Students navigate the *Magnetic Earth* unit of the *Aurora Alive* DVD to find the answers to questions on the STUDENT WORKSHEET: “Magnetic Earth Scavenger Hunt.”

### **Objectives:**

The student will research information by interacting with the *Aurora Alive* DVD.

### **Materials:**

- *Aurora Alive* DVD
- STUDENT WORKSHEET: “Magnetic Earth Scavenger Hunt”



### **Activity Procedure:**

Distribute the *Aurora Alive* DVD and the STUDENT WORKSHEET: “Magnetic Earth Scavenger Hunt.” Ask students to complete the worksheet by navigating the DVD to learn the answers to the questions.

### **Answers to Student Worksheet**

1. *Dr. William Gilbert*
2. *dip needle*
3. *iron and nickel*
4. *liquid*
5. *iron, nickel, cobalt*
6. *poles, or ends*
7. *magnet*
8. *geographic*
9. *geomagnetic*
10. *Ellesmere Island, Canada*

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**Directions:** Use Unit 2 of the *Aurora Alive* DVD to help you answer the questions below.

1. Who came up with the theory that Earth behaves like a giant magnet?  
\_\_\_\_\_
  
2. What is the name of the thin magnet used by Dr. William Gilbert to test the theory that Earth behaves like a giant magnet? \_\_\_\_\_
  
3. The core of Earth is made up of what two materials? \_\_\_\_\_ and \_\_\_\_\_
  
4. Molten rock is so hot it behaves like a \_\_\_\_\_.
  
5. Objects made of \_\_\_\_\_, \_\_\_\_\_ or \_\_\_\_\_ are attracted to magnetic fields.
  
6. The pull of a bar magnet and Earth's magnetic field is strongest at its \_\_\_\_\_.
  
7. Earth's invisible magnetic field lines are similar to the magnetic field lines around a \_\_\_\_\_.
  
8. The top of Earth's rotation axis is called the \_\_\_\_\_ north pole.
  
9. The top of Earth's magnetic axis is called the \_\_\_\_\_ north pole.
  
10. Earth's geomagnetic north pole is located near \_\_\_\_\_.