Physical Science Review IV

Choose the best answer for each question.

1. Which of the following energy sources is nonrenewable?

   L solar power
   D biomass
   E hydropower
   J fossil fuels

2. Which of the following is not a fossil fuel?

   F oil
   G water
   C coal
   A natural gas

3. Where does geothermal energy come from?

   H burning wood
   K the Sun
   L deep inside Earth
   B electricity

4. Where does the energy from fossil fuels come from?

   C minerals
   I the remains of ancient plants and animals
   J water
   D sediments that have been compressed into sedimentary rock

5. Around a magnet there is an area where magnetic forces act. What is that area called?

   A poles
   H switch
   G electromagnet
   F magnetic field

6. Which of these would a magnet attract?

   I rubber eraser
   E wood pencil
   B steel paper clip
   L plastic ruler

7. Where is a magnet's magnetic field the strongest?

   D in the middle, halfway between the poles
   J around the north pole
   K around the south pole
   A around both poles

8. Besides a magnet, which of the following also has north and south poles?

   G a series circuit
   A Earth
   F a steel nail
   H a rock

Physical Science Review IV is a sample assessment from the *VersaTiles Science Assessment Activities, Level 4* book. This book contains Life Science, Earth Science, Physical Science, and Scientific Investigations and Data Reviews as well as a Lab Report Review, an Interpretation of Graphs Review, Measurement Review, and a Vocabulary Review.

9. Which direction does a compass needle always point?

   E North
   B South
   I East
   K West

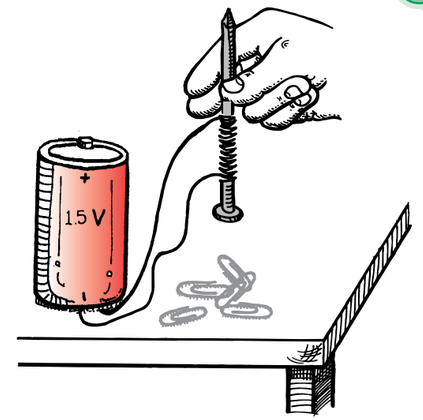
10. An electromagnet is _____.

    J a permanent magnet
    C a natural magnet
    D a temporary magnet
    G an open circuit

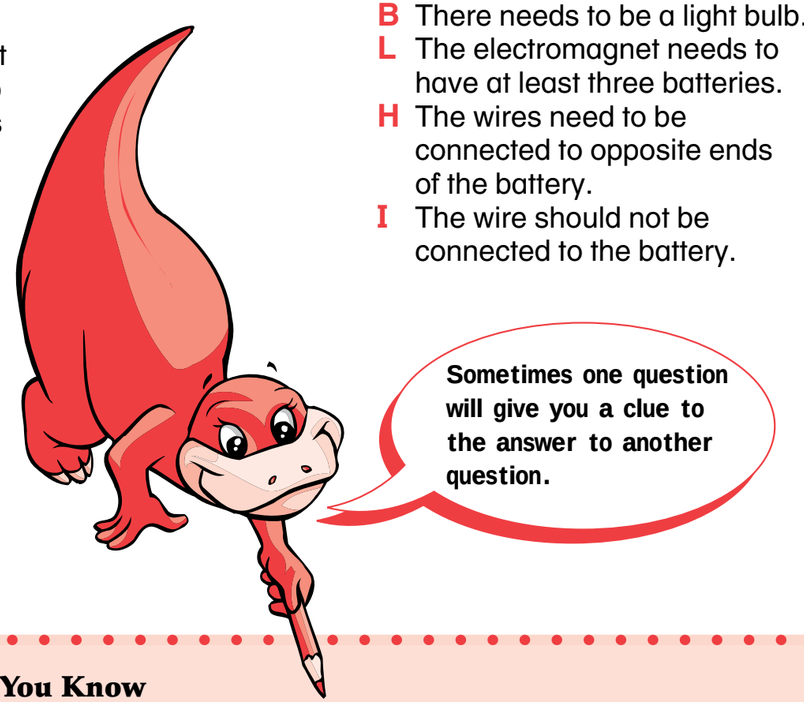
11. An electromagnet can be made from an iron nail, a wire, and _____.

    K a battery
    F a magnet
    A light bulb
    E compass

12. Why won't the pictured electromagnet work?



    B There needs to be a light bulb.
    L The electromagnet needs to have at least three batteries.
    H The wires need to be connected to opposite ends of the battery.
    I The wire should not be connected to the battery.



Apply What You Know

▲ What are the benefits of using renewable energy sources?

★ Draw a picture of a bar magnet with its magnetic field. Label each pole.