| Name | Date |
|--|--|
| | attraction |
| Cross-Curricular Focu | s: Physical Science |
| Read the story and answer the questions! | |
| An object that attracts metals, especially iron, is call has enough power to attract things is called its mag item is, the weaker the magnetic field is. When it is attracted to the magnet. Magnets can be either permagnetized for a long time. A temporary magnet lose even turn something made out of iron into a tempor magnet. The more you rub, the stronger your tempor off over time. The two ends of the magnets are called ends of bar magnets and the tips of horseshoe magnets are that are the same repel, or push away from extoward each other. Two north poles will push away from south poles. When you hold magnets, you can actuall special kind of temporary magnet uses electricity to electromagnet. An electromagnet can be an extreme magnet when it has electricity. A stronger electrical other magnets, an electromagnet loses its magnetism. If the ground, We use this technology to operate large | netic field. The farther away from the magnet an weak, it is less likely an object will become manent or temporary. A permanent magnet stays es its magnetism after only a short time. You can arry magnet by rubbing it against a permanent arry magnet gets. However, the effects will wear ed magnetic poles. The poles are found at the nets. They are the strongest parts of the magnet. It is cosite poles attract, or pull toward each other. In other. A north pole and a south pole will pull om each other. The same happens with the two by feel the push and pull effects of magnetism. A create a magnetic field. It is called an ally strong magnet. However, it only acts like a current will produce a stronger magnet. Unlike by a switch. When the switch turns the electrical Whatever the electromagnet was holding drops to |
| Electromagnets are also used to make motors run in electromagnets makes it possible for electrical energy | small appliances. Combining regular magnets and |
| I. Explain the difference between a temporary magne | et and a permanent magnet! |
| 2. Would two north poles attract each other or push | away from each other? |
| 3. What is different about an electromagnet? | |

4. What do we use electromagnets for?

5. What does attract mean when speaking about magnets?