

Name: _____ Date: _____

Fun with Magnets

Q1. How does a magnetic compass works?

Ans. _____

Q2. Can poles of magnet be isolated?

Ans. _____

Q3. What is north seeking pole and south seeking pole of a magnet?

Ans. _____

Q4. Tom mixed some board pins with saw dust while doing his school project. How can he separate board pins from the saw dust without picking with his hands?

Ans. _____

Fun with Magnets

Q1. How does a magnetic compass work?

Ans. The Earth behaves like a magnet and attracts the north end of compass magnet to align with its magnetic field. The north pole of the compass is attracted to the South Pole of Earth's built-in magnet and vice versa.

Q2. Can poles of magnet be isolated?

Ans. If a bar magnet is broken into two pieces, then each piece behaves as two separate magnets. Thus, it is observed that even the smallest piece of magnet has north and south poles. So, we cannot separate the two poles.

Q3. What is north seeking pole and south seeking pole of a magnet?

Ans. The end of the magnet that points towards North is called its North seeking end or the North Pole of the magnet. The other end that points towards the South is called South seeking end or the South Pole of the magnet.

Q4. Tom mixed some board pins with saw dust while doing his school project. How can he separate board pins from the saw dust without picking with his hands?

Ans. By using a magnet he can attract all the board pins from saw dust. This is possible since, the board pins are magnetic materials, whereas saw dust is a non-magnetic material.