

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Fun with Magnets

Q1. Where on a magnet is the magnetic force the minimum?

Ans. \_\_\_\_\_

Q2. In which direction a freely suspended magnet come to rest?

Ans. \_\_\_\_\_

Q3. What happen when we bring magnetic compass near a closed electric circuit?

Ans. \_\_\_\_\_

Q4. Name the two poles of a magnet.

Ans. \_\_\_\_\_

Q5. If magnet is not attracting the iron nails. What could be the reason behind this?

Ans. \_\_\_\_\_

Q6. What happens when a south pole of a magnet is brought near the south pole of another magnet?

Ans. \_\_\_\_\_

Q7. How can a magnet be demagnetized?

Ans. \_\_\_\_\_

Q8. How can you tell whether a particular substance is magnetic or non-magnetic?

Ans. \_\_\_\_\_

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## Fun with Magnets

Q1. Where on a magnet is the magnetic force the minimum?

Ans. The force is weaker in the middle of the magnet.

Q2. In which direction a freely suspended magnet come to rest?

Ans. A freely suspended magnet comes to rest in north - south direction.

Q3. What happen when we bring magnetic compass near a closed electric circuit?

Ans. When we bring a magnet compass close to it, the needle gets deflected.

Q4. Name the two poles of a magnet.

Ans. The two poles of a magnet are North Pole and South Pole.

Q5. If magnet is not attracting the iron nails. What could be the reason behind this?

Ans. Magnet may have lost its properties.

Q6. What happens when a south pole of a magnet is brought near the south pole of another magnet?

Ans. The two magnets will repel each other as like poles repels.

Q7. How can a magnet be demagnetized?

Ans. A magnet can be demagnetized by heating, hammering or dropping from some height.

Q8. How can you tell whether a particular substance is magnetic or non-magnetic?

Ans. If a particular substance is attracted towards a magnet, then it is a magnetic substance and if it is not attracted towards a magnet, then it is a non-magnetic substance.