

Twenty Questions

Science Review

Chapter 9

Quiz

Warning: Some questions are repeated

Twenty Questions

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|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 |

1. A display of lights in the sky, near the Earth's poles

- Aurora

2. An object that reacts with certain metals, mainly iron

Magnet

3. A device that changes electrical energy to energy of motion.

Motor

4. An instrument that senses magnetic north.

Compass

5. A strong temporary magnet that uses electricity to produce magnetism.

Electromagnet

6. The two areas where the force of the magnet is at its greatest .

Magnetic Poles

7. An object that keeps its magnetism for a long time.

Permanent Magnet

8. A device that uses magnetism to convert energy of motion into electrical energy

generator

9. An object that loses its magnetism after a short time.

Temporary Magnet

10. The space in which the force of a magnet can act.

Magnetic Field

11. Where is the magnetic force strongest?

At the poles

12. What happens when two south poles are brought together?

The two magnets will repel each other.

13. What energy change occurs in a generator?

- Energy of motion is changed to electrical energy.

14. How does the Earth's magnetic field effect a compass?

- It causes the needle to point north.

15. How is an electromagnet different than a permanent magnet?

An electromagnet can be turned off.

16. Name a way an electromagnet can be made stronger.

- Wrap more coils of wire around the nail.

17. A device that changes electrical energy to energy of motion.

- Motor

18. A device that uses magnetism to convert energy of motion into electrical energy

- A generator

19. An object that keeps its magnetism for a long time.

A permanent magnet

20. The two areas where the force of the magnet is at its greatest .

- The poles