

Nova's Magnetic Mystery Quiz

Learning objective: To identify magnetic materials, understand magnetic poles, and describe how magnets interact with each other.

Help Nova the owl solve these magnetic puzzles! Read each question carefully and circle the best answer or write your response in the space provided.

Answer Key: 1. A (Iron); 2. True; 3. Repel; 4. B (Magnetic poles); 5. False; 6. Attract; 7. North; 8. False; 9. True; 10. A (A force).

Word bank: attract · repel · pole · magnetic · iron · force · north · south

1. 1. Which of these materials is magnetic? A) Plastic B) Iron* C) Wood D) Rubber (1 mark)

2. 2. True or False: All metals are magnetic. (1 mark)

3. 3. What happens when you try to push two like poles (e.g., North and North) together? (1 mark)

4. 4. Magnets have two ends called: A) Sides B) Magnetic poles* C) Corners D) Edges (1 mark)

5. 5. True or False: You can see magnetic forces with your eyes. (1 mark)

6. 6. When a North pole and a South pole are brought near each other, do they attract or repel? (1 mark)

7. 7. Every magnet has a North pole and a _____ pole. (1 mark)

8. 8. True or False: A magnet needs to touch an object to pull it towards itself. (1 mark)

9. 9. True or False: The Earth acts like a giant magnet. (1 mark)

10. 10. What is magnetism? A) A force* B) A type of light C) A sound D) A liquid (1 mark)

Draw: Draw a diagram showing two magnets repelling each other. Label the poles (N and S) and use arrows to show the direction of the magnetic force pushing them apart.



Extension challenge: Nova wants to build a magnetic game! Write a short paragraph explaining how you could use a magnet and a paperclip to create a game that moves an object without touching it.