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.

Answer Key: 1.C, 2.True, 3.False, 4.A, 5.Iron, 6.Repel, 7.True, 8.False, 9.Force, 10.B

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

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

2. 2. True or False: Magnets have two ends called poles. (1 mark)

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

4. 4. What happens when two like poles (like North and North) face each other? A) They repel, B) They attract, C) Nothing happens, D) They melt. (1 mark)

5. 5. Name one metal that is attracted to a magnet. (1 mark)

6. 6. When two magnets pull towards each other, we say they attract. What is the opposite word for this? (Starts with R) (1 mark)

7. 7. True or False: A magnet can move an object without touching it. (1 mark)

8. 8. True or False: The middle of a magnet is the strongest part. (1 mark)

9. 9. A magnet uses an invisible _____ to pull magnetic objects towards it. (1 mark)

10. 10. If you have a toy car worth £2, and you buy a magnet for 50p, how much change do you get from a £5 note? A) £2.00, B) £2.50, C) £3.00, D) £3.50. Answer: *B (1 mark)

Draw: Draw a picture of Nova the owl holding a bar magnet. Show the magnetic field lines around it and draw two metal paperclips being pulled towards the magnet.

Extension challenge: Nova wants to test items in her nest! List three items in your classroom or home that you think are magnetic, and explain why you think they are magnetic.