

Nova's Material Marvels Quiz

Learning objective: To identify, describe, and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper, and cardboard.

Join Nova the owl on an adventure through the forest! Read each question carefully and circle the best answer or write your answer in the space provided. Good luck!

Answer Key: 1. B (Metal), 2. True, 3. False (Glass is transparent), 4. C (Wood), 5. Waterproof, 6. False, 7. A (Plastic), 8. Conducts, 9. Opaque, 10. True. Nova says: Well done! You are a material master!

Word bank: transparent · opaque · conductor · flexible · thermal · magnetic · waterproof

1. 1. Which material is most likely to be magnetic? A) Wood, B) Metal, C) Plastic, D) Glass.
***Correct: B (1 mark)**

2. 2. True or False: A material that allows light to pass through it is called transparent. (1 mark)

3. 3. True or False: Brick is a good material for a raincoat because it is flexible. (1 mark)

4. 4. Which material would be best to build a sturdy, solid treehouse? A) Paper, B) Cardboard, C) Wood, D) Fabric. (1 mark)

5. 5. What word describes a material that does not let water pass through it? (Hint: Think of umbrellas!) (1 mark)

6. 6. True or False: Metals are generally good at conducting heat. (1 mark)

7. 7. Which of these materials is man-made? A) Plastic, B) Rock, C) Wood, D) Wool. (1 mark)

8. 8. A kettle is often made of metal because it ____ heat well. (1 mark)

9. 9. If you cannot see through an object at all, we say the material is _____. (1 mark)

10. 10. True or False: You can change the shape of some materials by squashing, bending, or twisting them. (1 mark)

Draw: Draw Nova the owl sitting on a branch. Next to her, draw three items made of _____ different materials (e.g., a metal key, a wooden stick, and a plastic bottle). Label each item with the material it is made from.



Extension challenge: Nova wants to build a bridge across a stream! Choose three different materials you could use for the bridge and explain why each one is or isn't a good choice based on its properties.