

Nova's Material Investigation

Learning objective: To identify and describe the properties of everyday materials.

Read each question carefully. Use the word bank to help you choose the best answer. Look at the pictures to help you think about what each object is made of.

Nova the owl is looking at objects in her classroom. She wants to know why we use different materials for different things.

Word bank: transparent · waterproof · flexible · hard · wood · metal · plastic · glass

1. Nova has a window made of glass. Why is glass a good material for a window? (Hint: Can you see through it?) (2 marks)

2. Max the monkey has an umbrella. Is it better for an umbrella to be waterproof or absorbent? Explain why. (2 marks)

3. Look at a ruler. Is it hard or soft? Name the material it is usually made from. (2 marks)

4. Nova finds a rubber band. Why is it useful that a rubber band is flexible? (2 marks)

5. If you wanted to build a bridge, would you choose plastic or metal? Why? (2 marks)

Draw: Draw a pair of wellington boots. Label them as 'waterproof'.



Extension challenge: Find three things in your house. Write down what material they are made of and one property they have (e.g., 'Spoon - Metal - Hard').