

Nova's Material Mystery

Learning objective: To identify, name, and describe the properties of a variety of everyday materials including wood, plastic, glass, metal, water, and rock.

Nova the owl is tidying her treehouse! Help her sort the objects into the right material groups. Look at the items in the word bank and write them under the correct material heading below. Then, answer the questions to explain why Nova chose those materials.

Word bank: metal spoon · glass window · wooden chair · plastic toy · rock pebble · metal key · glass marble · wooden ruler

1. Nova has a toy made of plastic. Why is plastic a good choice for a toy? (Hint: Think about if it is hard or soft, and if it breaks easily.) (2 marks)

2. Look at your list of 'glass' items. Why do we use glass for a window instead of using wood? (2 marks)

3. If you wanted to build a strong bridge, would you choose metal or paper? Explain your answer. (2 marks)

4. Name one object in your classroom that is made of wood. (1 mark)

5. True or False: A rock is a man-made material. Explain your answer. (2 marks)

Draw: Draw your favorite object from your home and label what material it is made from (e.g., metal, plastic, or wood).

A large, empty rectangular box with a thin black border, intended for a student to draw their favorite object from home.

Extension challenge: Go on a 'Material Hunt' around your house or garden. Find three things that are 'stretchy' and three things that are 'hard'. Tell an adult why you think those materials were chosen for those objects!