

Nova's Material Investigation

Learning objective: To identify and describe the properties of materials used for specific everyday objects.

Nova the owl is planning a picnic in the woods! Look at the items she has packed. Draw the items listed below and label them with the properties that make them useful for their purpose.

Draw: Create a clear, tidy scene of a picnic mat in the woods. Include a glass jar, a folded cotton napkin, a raincoat hanging on a tree branch, and a metal thermos. Use a simple, clean illustrative style with clear outlines so labels can be added easily around each object.



Label words: transparent · opaque · waterproof · flexible · rigid · absorbent · durable

Steps:

1. Step 1: Draw Nova's glass jar. Why is glass a good material for this? Write your answer below.
2. Step 2: Draw the cotton napkin. Label it with the word from the word bank that describes why it is good for cleaning up spills.
3. Step 3: Draw a raincoat. Why is it important that the raincoat is waterproof?
4. Step 4: Label your drawing of the metal thermos with the word 'rigid'. What does this property mean?
5. Step 5: If Nova wanted to swap her cotton napkin for a plastic one, would it be as absorbent? Explain why.