

Materials Review — Get Ready to Design

Warm up: materials and properties

Before the big design challenge, let's warm up what you know about materials and their properties. This is practice — it is not marked.

The secret to the egg-drop challenge is matching each **material** to the **property** that makes it good for the job.

Practice questions

Q1. Match each material to the property that best describes it.

Material	Property
Bubble wrap	
Steel	
Glass	
Cotton wool	

Property words: strong • soft and cushioning • transparent • light and fluffy

Q2. For the egg-drop, which property is most useful for **cushioning** the landing? Circle it.

hard soft transparent heavy

Q3. Why might **tape** be useful in your design? Think about what property it has.

Q4. Plan ahead: name **two materials** you might use in your egg-drop design, and the property that makes each a good choice.

Material	Property that helps

Ready? Remember the markers want to see every material linked to a **property**, a clear **labelled design**, and a good **reflection** at the end.