

### Challenge 3 -

What would happen if this was true?  
What material would be better why? How do you know?  
What properties does it need to have to be appropriate?

Answer these questions for each of these objects. Number 1 has been done for you.

1. Paper coat: If this was true the coat would not keep you warm and you would be very cold. If it was raining the coat would not protect you, it would get soaked and you would be soaked too. It would also rip easily and not last very long. Better materials for a coat is wool, leather or fabric because this will keep you warm and the coat would last long. Certain fabrics could also be used to make a raincoat which will protect you from the rain.
2. Chocolate teapot:
3. Glass football:
4. Fabric water bottle:
5. Wooden car:
6. Play dough cutlery:
7. Wooden bag:
8. Paper houses:
9. Metal gloves: