

SunSmart sausage science



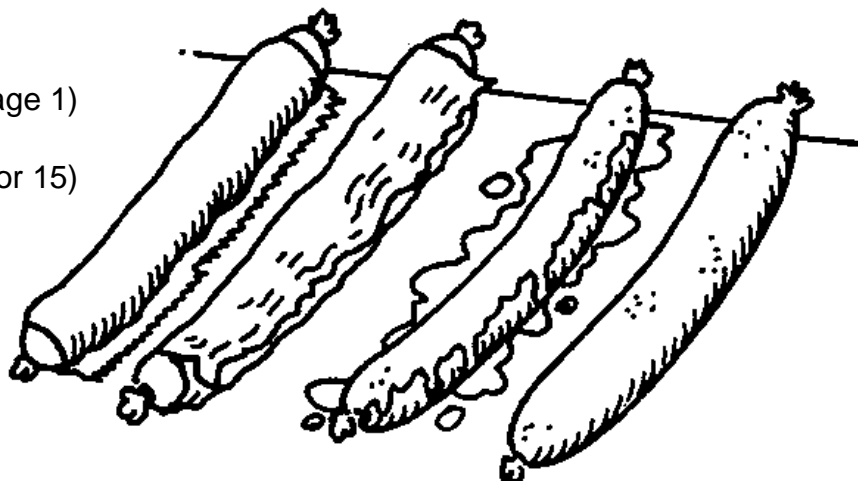
Recommended AusVELS Level: 2 - 4

Recommended Strands:

- Health & Physical Education
- Personal Learning
- Interpersonal Development
- Science
- Communication
- Thinking Processes
- Design creativity and technology

Materials

- 8 x thick sausages
- Labels for each sausage (e.g. Sausage 1)
- SPF 30+ broad spectrum sunscreen
- Low SPF sunscreen (e.g SPF 5, 10 or 15)
- Oil
- Plastic food wrap
- Newspaper
- Silver foil
- t-shirt material
- Paper towel



Instructions

1. Choose a bright, warm, sunny day when the SunSmart UV Alert predicts high UV Index levels. [Visit sunsmart.com.au to find out the sun protection times.]
2. You need 8 sausages
 - Sausage 1 - apply SPF 30+ broad spectrum sunscreen to the sausage
 - Sausage 2 - apply a low factor sunscreen to the sausage
 - Sausage 3 - apply oil to the sausage
 - Sausage 4 - wrap the sausage in plastic food wrap
 - Sausage 5 - wrap the sausage in newspaper
 - Sausage 6 - wrap the sausage in silver foil
 - Sausage 7 - wrap the sausage in t-shirt material
 - Sausage 8 – Place this sausage on a paper towel
3. After you have organised each of the 8 sausages, place them in full sun where they will not be disturbed for an hour. Make sure each sausage is near their label so you don't forget which sausage is which!
4. Predict what you think will happen to each sausage. Write down your predictions.
5. After the hour, remove the sausages and observe any changes that have occurred.
6. Record your observations.
 - What happened to each sausage?
 - Why do you think this happened?
 - Were your predictions correct?
7. What does this experiment teach us about our own skin? What is the best way to protect it?