

Physics - Key Stage 3 - Energy

Lesson 8: Insulation

Mrs Evans



Independent practice: answer the questions

1. Give an example of a good insulator and poor insulator
2. What is the purpose of an insulator?
3. How can you change a beaker of hot water to reduce conduction?
4. How can you change a beaker of hot water to reduce convection?
5. How can you change a beaker of hot water to reduce radiation?

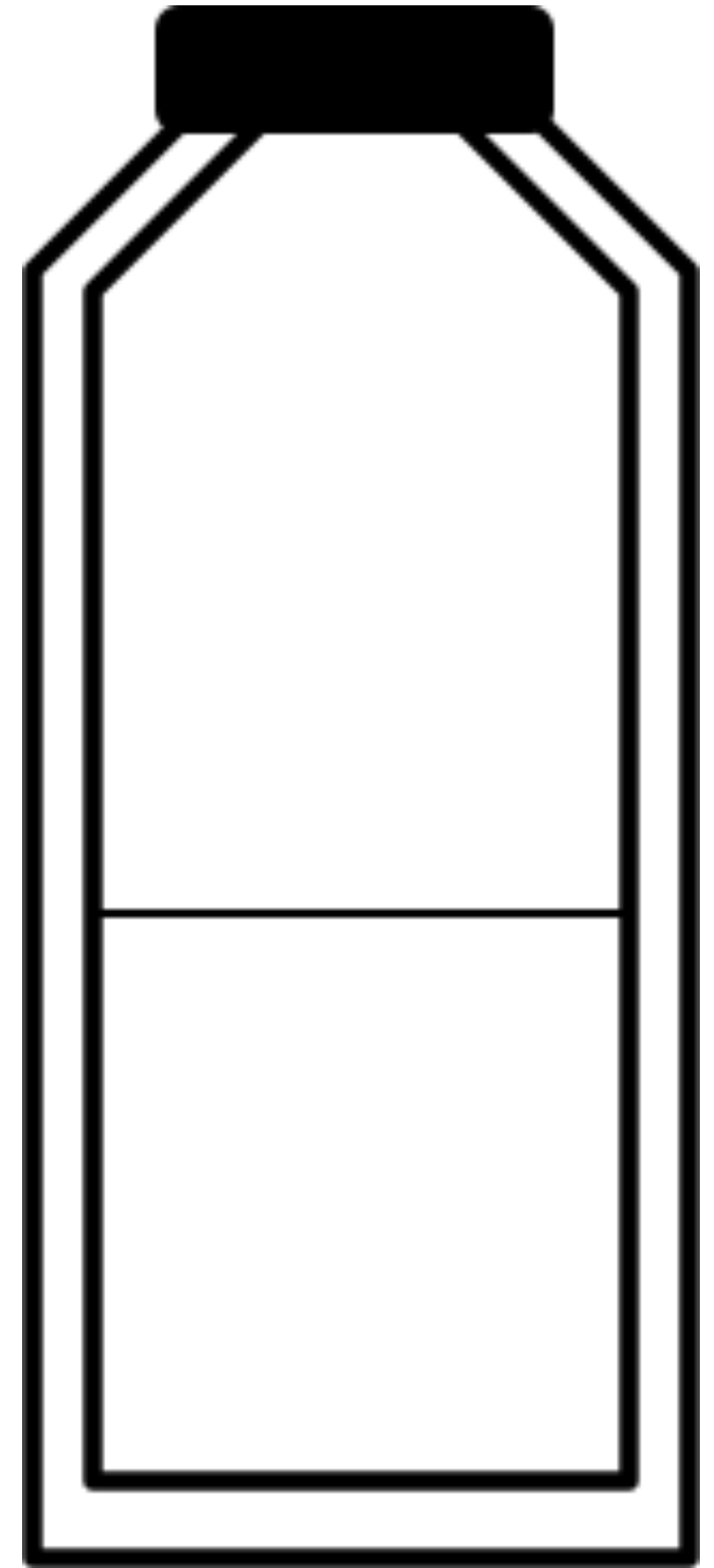


Independent practice: write an explanation for each feature

Scaffold:

The ____ ? ____
reduces or increases ____ ? ____
because ____ ? ____.

1. The lid...
2. The plastic outer casing...
3. The silver inner casing...



Independent practice: write a recommendation

The home needs
to transfer as little
energy to the
surroundings as
possible!

