

Science Reinforcement Worksheet

Q1. Write a sentence using these words in this order.

salt water dissolves solution

When salt dissolves in water it is called a solution.

Draw lines to match the words with their meanings.

mixture	something with holes used to sort smaller bits of solid from larger bits
separating	a jumble of different materials
sieve	sorting different materials
sieving	using a sieve to separate mixtures of solids

Q2.

Q3. Molly wants to make a model speed boat.

a Which is the best shape for her boat? Tick *one* box.



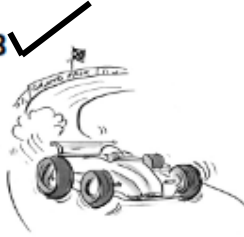
b Why did you choose this shape? It is the most streamlined shape

3 Which picture shows where high friction is useful?

A



B ✓



C



D



3 Which shape has the lowest water resistance?

A



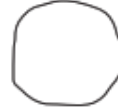
cylinder

B



disc

C ✓



sphere

D



cube

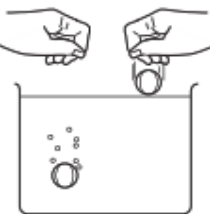
3Ec

1 What is water resistance?

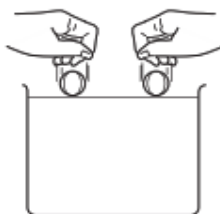
- ✓ A A force that slows down things moving through water.
- B A force that speeds up things moving through water.
- C A force that makes things float.
- D The reason you get wet when it rains.

2 Which drawing shows the best way to find out which shapes have the lowest water resistance?

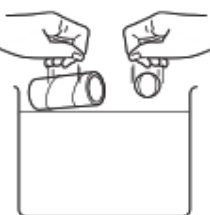
A



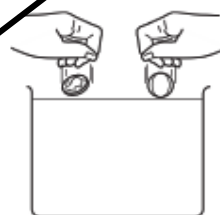
B



C



D ✓



4Ed

1 How does air resistance depend on size?

- A It doesn't.
- B The bigger the object, the smaller the air resistance.
- C The smaller the object, the bigger the air resistance.
- ✓ D The bigger the object, the bigger the air resistance.

2 Which of these things needs a large air resistance?

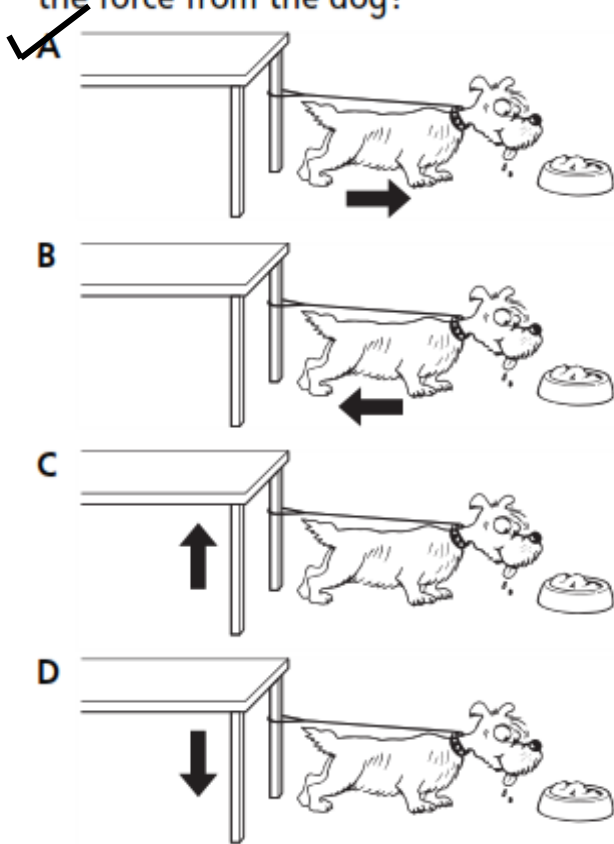
- A an aeroplane
- ✓ B a parachute
- C a bird
- D an umbrella

3 Which of these things needs a small air resistance?

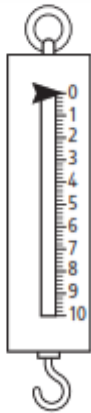
- ✓ A an aeroplane
- B a parachute
- C a house
- D a sailing boat

4Ea

1 Which arrow shows the direction of the force from the dog?



2 What is this called?



A spring measurer

B force measurer

C spring meter

D forcemeter

3 What are the units for measuring forces?

A grams

B degrees

C newtons

D metres

4Eb

1 What does friction do?

A It slows down moving things.

B It makes moving things speed up.

C It makes springs get longer.

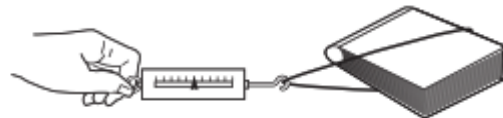
D It makes things start to move.

2 Which drawing shows a way of measuring friction?

A



B



D

