

★ Quicklook at "Fair Test"

The activity contains three different sets of cards for two comparative tests and a framework (centre) for organising the cards

What are we finding out?

What equipment we are using?

What are we changing?

What are we measuring and how we are doing it?

What are we keeping the same (more than one card for this)?

Possible conclusions for each experiment and some conclusions for neither.

Does the weight of the car affect how far it travels?

Surface at end of slope.

The heavier the car the further it goes.

Cards for testing toy cars on slopes

Amount of push.

How far the car travels using a metre stick.

The lighter the car the further it goes.

The taller the container the quicker the liquid cools.

Does the amount of light affect the rate of growth in plants?

The more compost the more leaves the plant makes.

Containers, black plastic, clear plastic, seeds, compost and water.

Cards for testing germination and growth

Amount of light.

The less light the more leaves the plant makes.

Location of the container.

Containers made from different materials.

Does the shape of a container affect the speed of cooling of a hot liquid?

Cards for testing cooling

Shape of the container.

How often the temperature is measured.

The question: what are you trying to find out in this experiment?

What equipment are you using in this experiment?

What are you measuring in this experiment?

What are you changing in this experiment?

What are you keeping the same in this experiment?

What are you keeping the same in this experiment?

What are you keeping the same in this experiment?

What are you keeping the same in this experiment?

What is a possible conclusion for this experiment.

Conclusions that are impossible or unlikely in this experiment.