

Science MiniSATS
MATERIALS
(Year 5)

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Name

Score

%

Level



1

What's in seawater - 1

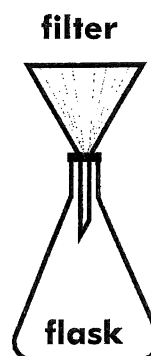
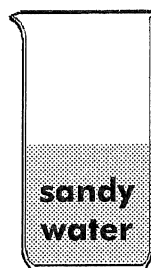
MATERIALS

Y5



Sea water rarely looks nice and clean, especially if it has been churned up by the surf. Sand makes it look brown and dirty.

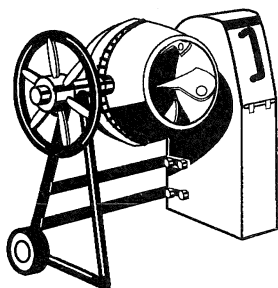
Your teacher brings a sample of brown sea water into the classroom. **Your task is to separate the sand and water.**



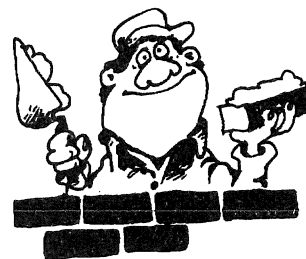
Explain how you would perform the task using the equipment shown.



Fred and Tim



Fred mixes cement with sand and water.

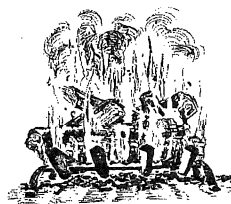


Is this a **reversible** or **irreversible** process? _____

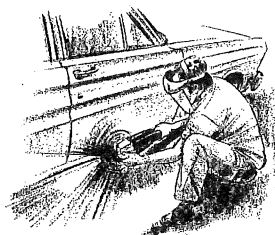
Explain why Fred only has a short time to use up his cement mixture.



Fred relaxes in the evening in front of a nice log fire.



Explain where an **irreversible** process is taking place.



Most cars are made of iron and steel (an alloy of iron). As cars get older, many show signs of **rusting**. Tim is removing the rust on his car.

Tick (✓) the **one** statement that best describes rusting.

rust is a fungus that grows on metals ☐

rust occurs when iron mixes with water and oxygen ☐

rust is a problem that affects all metals ☐

