

# SAVE OUR SEAS



## FILTRATION

### ACTIVITY 2: SEPARATING SALT AND SAND

#### Lesson Objective

- Separate a mixture of salt and sand.

#### You will need

- Water
- Salt
- Sand
- Jug
- Filter paper
- Funnel
- Heat source.

#### Method

1. Take a jug of water and fill it with 300ml of water
2. Dissolve 25gm of salt in the water and stir in 25gm of sand.
3. Separate the sand from the water using the filter papers and funnel.
4. Heat the filtered water so that it evaporates, leaving you with the salt.

Draw two diagrams: one of the filtration part of the experiment; and one of the second part of the experiment.

Label your diagrams.

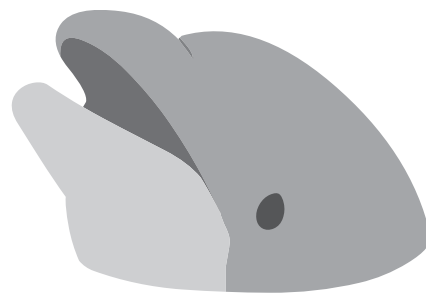
#### Duffy says,

"It's very useful to know how to filter materials from water. Sewage treatment plants use it to separate the yucky stuff from waste water.

"A modern sewage plant would use membrane filtration to filter waste water; then it blasts the water with UV light (like sunlight).

"Together these methods reduce levels of harmful viruses and bacteria found in waste water that goes into the sea, reducing the health risks to water users like me."

Find out more [www.sas.org.uk/pr/2001/brighton.php](http://www.sas.org.uk/pr/2001/brighton.php)



#### Word bank

- Dissolve
- Evaporation
- Filter / Filtration
- Funnel
- Separate



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### Results

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### Conclusion

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