

WHALES GIANTS OF THE OCEAN

Pennies Floating on Blubber

Lesson 6 extension

What other advantages does blubber provide to whales and other marine mammals?

- Make sure both the blubber bag and the control bag (no filling, no air) are closed.
- Carefully flatten out each bag.
- Float each bag on the surface of the water.
- Slowly and carefully see how many pennies you can place on top of each bag before it starts to sink. Record these numbers in the data table.
- Try this two more times and take an average of the number of pennies needed to make each bag sink.

Bag Type	Number of pennies held before sinking			AVERAGE Number of Pennies
	Trial 1	Trial 2	Trial 3	
Control (no filling)				
Blubber-bag (filled)				

Did one bag hold more pennies before sinking? Yes or No
If yes, which one?

blubber bag (filled) or **control bag** (empty)

Besides helping whales and other marine mammals stay warm, what else does blubber do for them? (use your data from the experiment to explain your ideas)