

Deep Sea Learning with Georgia Aquarium



Blubbery Benefits

Materials:

- 2 one-gallon or one-quart resealable freezer bags (no zipper bags)
- 1 container of vegetable shortening
- Spatula or spoon
- Duct tape
- Ice and water
- Bucket, tub or bowl
- Thermometer (optional)



What is blubber?

- Blubber is a layer of fat that insulates the body and helps with buoyancy.
- Many animals including penguins, belugas, seals and polar bears have blubber.
- Most marine mammals have blubber which can range from 2-19 inches thick.

Instructions:

1. Turn one resealable freezer bag inside out (bag a).
2. Insert bag a inside the other resealable freezer bag (bag b).
3. Seal together bag a and bag b on one side of the bags.
4. Duct tape the sealed together bags.
5. Crinkle up bag a to make space in bag b.
6. Scoop vegetable shortening into bag b, put as much as you want. Make sure there is at least enough to make a thin layer.
7. Seal the other side of the two bags together.
8. Duct tape the newly sealed side together. Be certain to duct tape the sealed sides, not the bags, closed.
9. Fill a bucket, tub or bowl with ice water.
10. Insert hand in blubber bag and bag in water.

Optional Next Step

11. Use a thermometer to measure temperature of the water and then inside the bag.



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