

Dunking Ducky

Materials: [dunking ducky](#), glass of water, Handout

Procedure:

1. Give students 3 quiet minutes to observe their dunking duck.
2. Start piecing together an explanation. Let the students do as much of the talking as possible.
Take your time reaching these conclusions-
 - a. Expansion-heat (energy) from the room causes the atoms of ether to move faster, collide harder, and expand.
 - b. Contraction- heat (energy) leaves the ether through the water, and it contracts, moving down the tube.
3. Give students the ducky handout and scrambled explanation to work on.
4. Homework: Calculate how many times your ducky has bobbed in the last 24 hours.

<http://www.abc.net.au/science/features/whyisitso/#2>