

SINK AND FLOAT

**This simple science project will surprise and delight kids.
Plus, it's yummy!**

INSTRUCTIONS

**(This experiment requires the use of a knife.
Please supervise children.)**

STEP 1: Place your orange into the container of water. What happens?

STEP 2: Now remove the orange from the water and cut off all of the peeling (with adult supervision).

STEP 3: Return the peeled orange into the water. What happens now?

STEP 4: Use your observations sheet to record you results.

SUPPLIES

**Orange
Clear container
of water
Knife
(with supervision)**

THE SCIENCE

When an orange still has its peel and you put it in water, it often floats. This happens because the peel has tiny pockets of air in it, which make the orange less dense than water. But when you peel the orange, it usually sinks because the peel is no longer there to trap those air pockets.

This is a cool example of how the way things are shaped and what they're made of can affect whether they float or sink in water. It's all about science and how different objects interact with water!

Sink and Float Observations

Use this worksheet to process and evaluate your work.



Do you think a peeled orange weighs more or less than one that is in tact?

What happened when you put the unpeeled orange into the water?

After you peeled the orange, did you guess if it would float or sink?

Try the experiment with different fruits!

Do you think that weight has anything to do with the results?

