

Sink and

Float

Things That Sink

Things That float



To Make:

Print copies of pages 3-5 for each student.

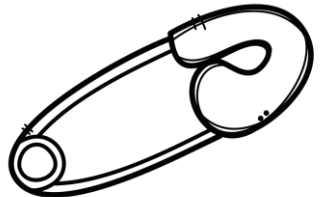
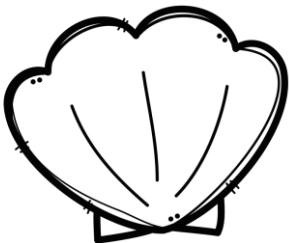
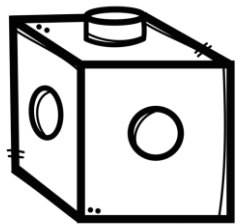
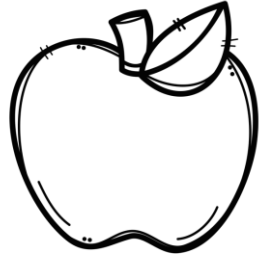
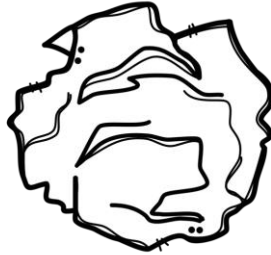
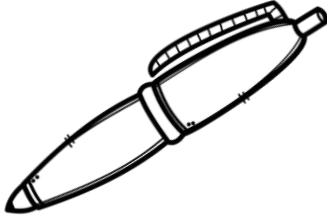
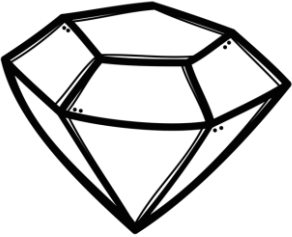
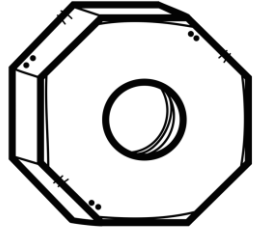
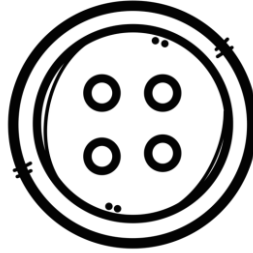
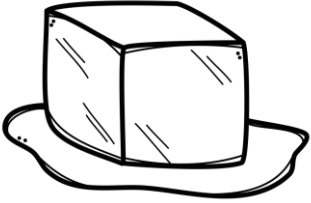
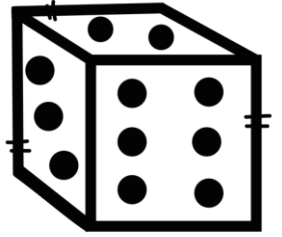
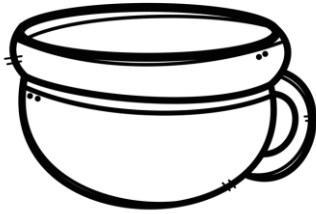
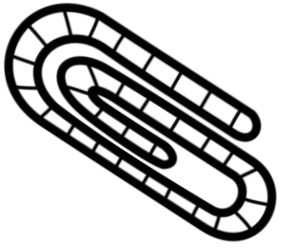
To Use:

Students cut apart picture squares and sort them according to whether they sink or float. Great for activating background knowledge before doing sink/float experiments or as a review afterwards. You can also use the sorting pages and find real life photos in magazines.

Things That **Sink**

Things That **float**





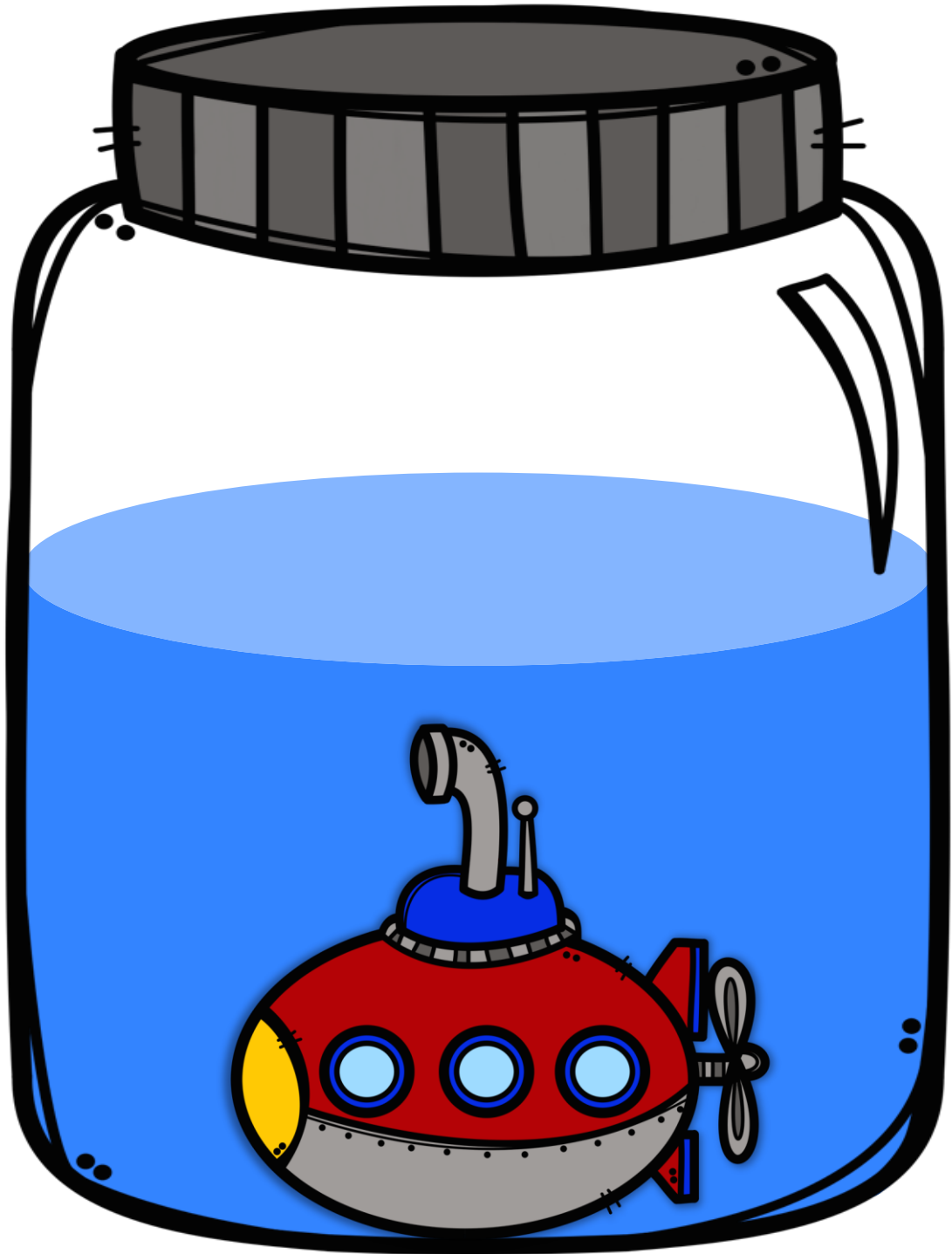
Things That Sink

Things That float

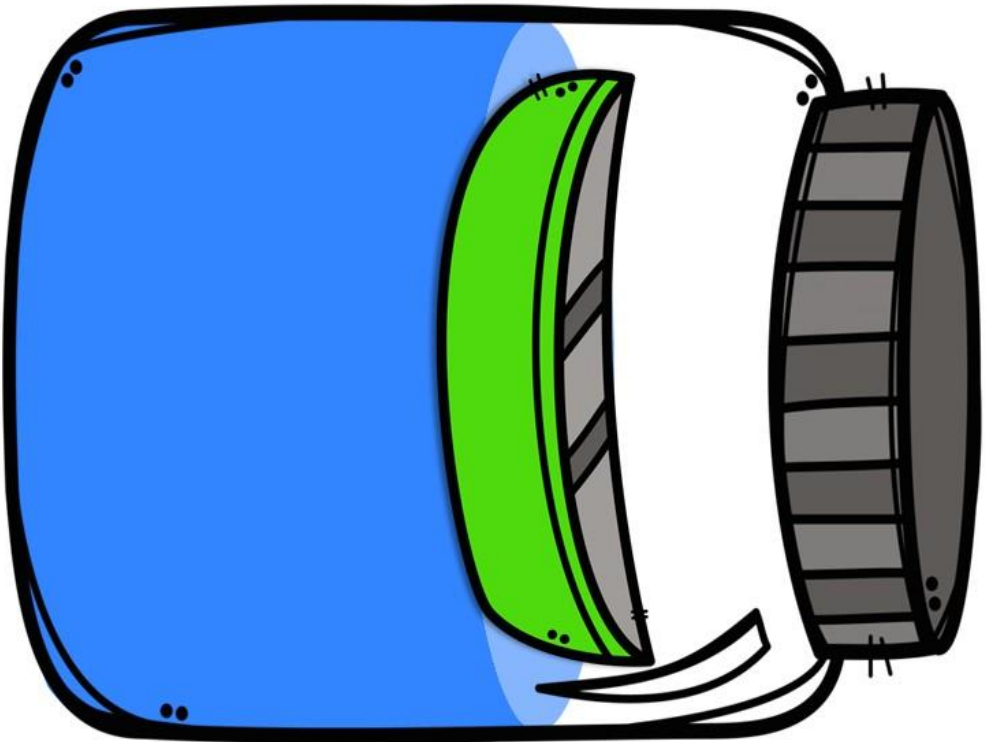
flood



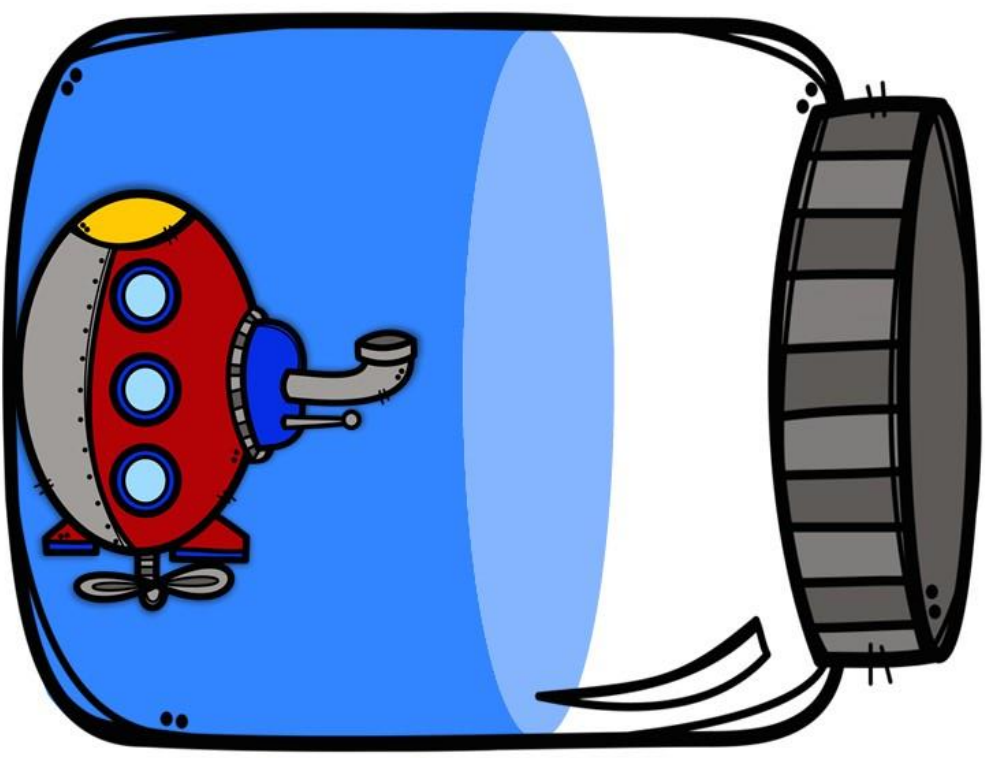
Sink



float



sink



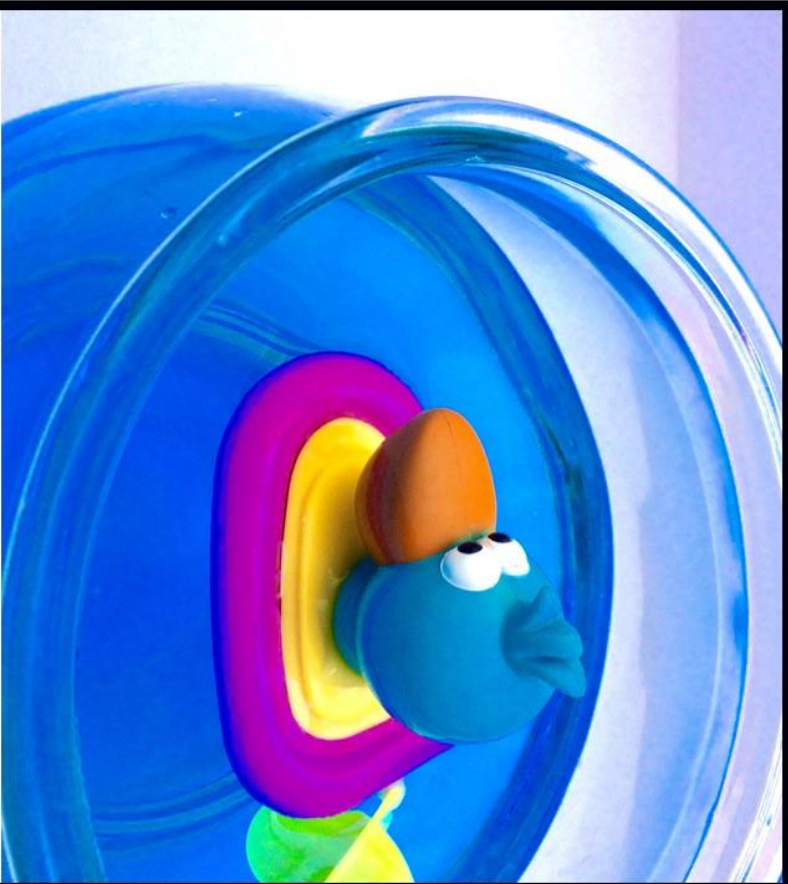


sink



float

float



sink



Be sure to CHECK OUT THE BUNDLE!



experiments, read-alouds, discussions, sorting

bubble	ship	raft	coins	gold	rocks
buoys	inflatable	iceberg	shells	sand	chain
anchor	axle	nails			
hook	boat	ring			

sink float

Does Shape Matter?

Explore how changing the shape of an object can affect whether it sinks or floats.

SINK float+

Materials: Piece of play-doh or clay for each student, containers of water

Set-Up: Place a container of water at each table.

Experiment: What shapes can you make with play-doh that float? Sink?

Does Weight Matter?

Weight, or more properly mass, is a factor in determining whether things sink or float. But it is only one factor! Ask students: "Do heavier things always sink?"

Materials: Items of increasing weight (see suggestions below), scale, sink or float choice cards, large container of water (fresh tap or plastic tap)

Suggested Materials:

- Soda
- Wood
- Soda can (cut regular)
- Watermelon
- Cherry soap
- Sulfur (for science class)

Indicate I with their choice card.
 1. Test the object and compare it to their predictions.
 2. Repeat steps 1-4 for each object.

SINK float+

Do these things Sink or Float?

Explore the idea that some things sink and some things float. Students will predict, experiment, and record, and analyze the data from their results.

Materials: 10 objects to test, copies of the experiment pages, containers of water

Ball of Poi

OUR DATA

TEKS US - List of 10 common objects, 10 set of 22 cups if would float.

Fruit and Vegetable Sink or Float?

Predict, explore, and record which fruits and vegetables sink and float. Great activity during Thanksgiving or when you study plant parts, too!

FRUIT

VEGETABLES

create a class chart

Make it Float!

Can you take objects that sink (pennies) and make them float? How do boats work??

Materials: Layer of water, foil for each part, pennies, liner

Procedure: Show students that a penny sinks. You can discuss density, surface area and discuss how density changes and helps things float. Identify possible boats and objects.

How many Pennies can you float in your boat??

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Looking at Liquid Density

Objects are not the only thing with density. Liquids have density too. Explore how liquid density affects what things sink and float.

The Science of It: The liquids each have different densities. Each object floats until they reach a liquid that is more dense than it.

Liquids are Denser

Rising Waters Matter takes up space.

All matter takes up space, whether it sinks or floats. Students will experiment with water displacement.

Comparing water displacement of different objects, which will have the most? Least? Here are my test objects:

Set 1 coins can displace just double marker

Set 2 marble, egg, paper can empty container, cardboard box

Set 3 same amount of water to mark water levels, 2 identical sinks to objects to reach to compare

make predictions and test

Unscramble and write 8 sentences about sink and float!

to the bottom, **coin sinks**, **to the bottom,**

Write the sentence, write the sentence.

Unscramble the sentence, write the sentence.

Water Experiences

With so much water around us, we are sure to interact with it a lot.

Have you ever swam in the pool with floaties? What happened?

Have you ever played with a rubber duck in the bath? What happened?

Has a wave ever knocked a shell out of your hand? What happened?

Why it Matters?

An anchor sinks. What is it used for?

A raft floats. What do we use it for?

Concrete sinks. What would happen to this bridge if it floated?

Knowing when something sinks or floats can come in handy. Can you think of any reasons why?

SINK/FLOAT SCIENCE

Could it be the shape of an object?

Water has density too! Things that are more dense than water sink, while things that are less dense float.

What about now? These little molecules' made containers show how dense something is.

Scientists can classify things that sink and float, and even experiment to change this. Do you think you can?

CREDITS



kimberly
geswein
fonts

