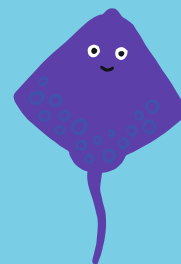
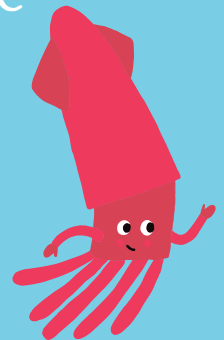
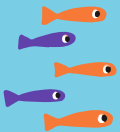


SWIM  
IRELAND



# Learn to Swim



Activity Pack

# Word Search

Can you find all **10 words** below in this word search?

S	U	T	Y	T	B	R	E	A	S	T	S	T	R	O	K	E	E	K	G
Z	S	Q	E	R	F	A	C	U	S	U	K	L	O	Y	W	Q	F	O	Y
T	R	F	R	O	N	T	C	R	A	W	L	T	P	W	U	G	G	I	R
U	H	R	Y	X	R	E	Z	E	S	J	U	A	B	I	U	G	L	S	T
P	S	I	C	A	S	W	F	E	G	Z	X	H	A	O	L	Y	N	Z	C
Q	E	K	T	H	G	N	A	S	S	H	T	J	P	E	R	Y	S	L	O
T	B	D	I	A	D	J	M	K	W	O	W	L	S	I	E	T	I	M	U
D	U	W	E	Y	O	G	G	P	E	I	K	E	R	B	D	U	K	N	Y
J	T	E	A	N	T	G	M	L	U	E	M	H	X	E	I	V	I	E	O
T	T	W	B	S	A	Q	X	P	O	F	N	F	I	T	Y	O	C	H	P
I	E	Z	N	C	B	Y	F	H	H	B	C	O	H	E	I	R	K	I	D
K	R	E	F	B	A	J	M	X	Z	O	E	U	Y	G	P	T	S	E	D
O	F	E	D	I	N	U	T	T	I	H	S	L	A	Y	O	E	N	I	R
P	L	T	R	N	I	F	L	O	A	T	F	S	S	H	K	R	E	V	A
R	Y	H	G	K	Y	U	R	E	W	T	F	K	T	J	A	U	D	O	U
S	A	E	W	E	R	J	E	H	U	B	G	A	S	N	R	U	S	A	G
K	J	R	V	S	A	D	G	Q	V	C	R	O	K	L	H	O	P	F	E
D	W	I	A	S	E	C	F	Y	R	E	S	G	N	O	N	U	I	P	F
V	D	U	U	M	T	E	A	C	H	E	R	G	O	I	L	A	E	R	I
C	A	M	W	T	R	X	R	P	E	T	R	L	H	P	A	Y	S	A	L

SWIM

KICK

FLOAT

FRONTCRAWL

BUTTERFLY

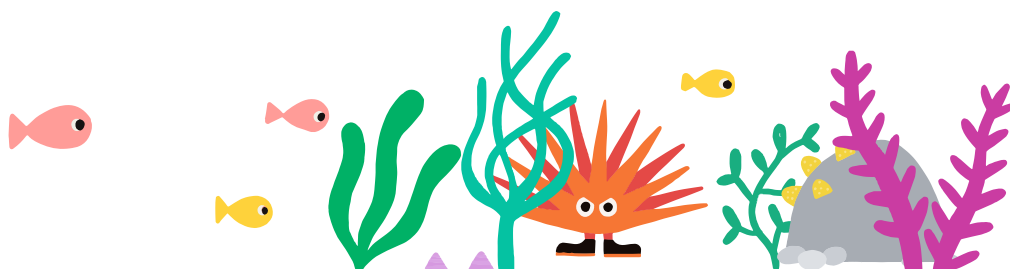
TEACHER

LIFEGUARD

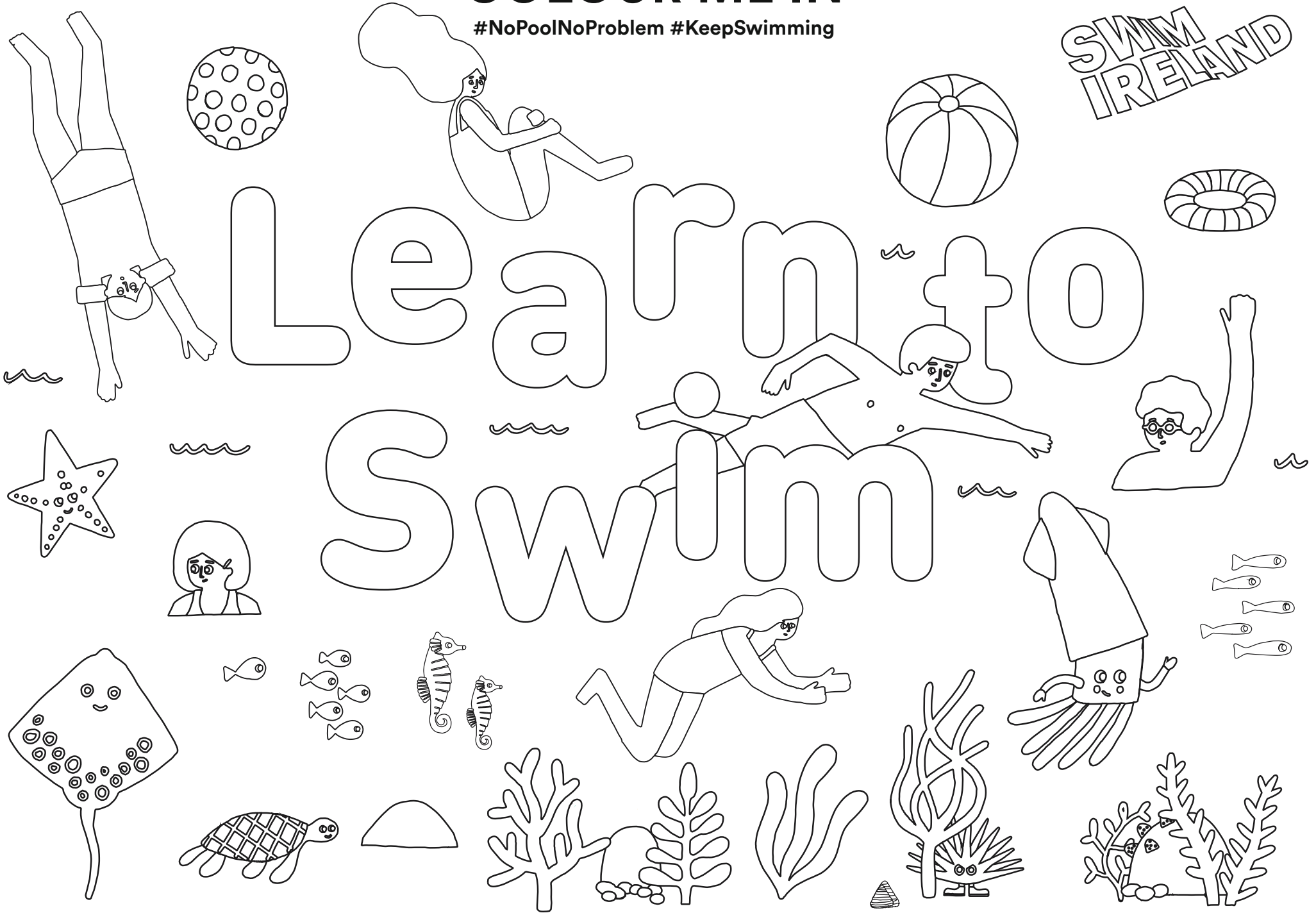
GOGGLES

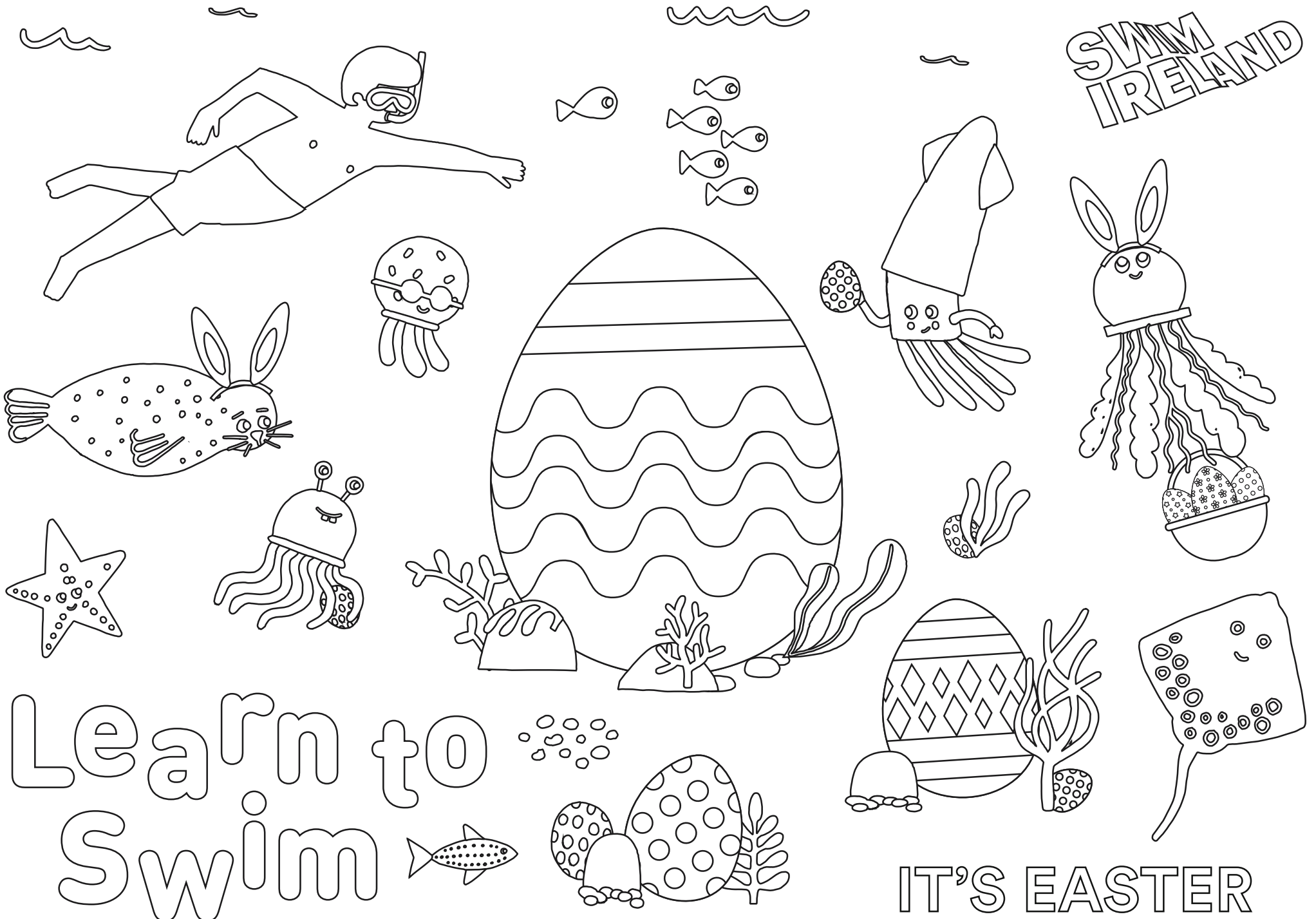
DIVE

BREASTSTROKE



**#NoPoolNoProblem #KeepSwimming**





IT'S EASTER

#NoPoolNoProblem #KeepSwimming

# Buoyancy



Rocks in the river, Ice in a drink,  
Some things will float, some things will sink.

Floating things have buoyancy,  
Test a little toy and see.



Does it sink? Does it float?  
Could you use it as a boat?

Try a pencil, it pops up.  
Try a hammer, try a cup.

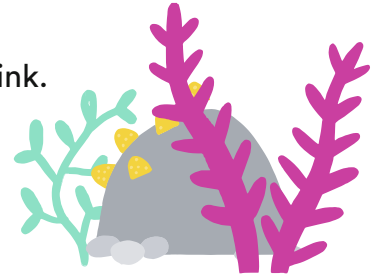


Test some objects in your bath  
Watch them, now you're doing Math.

If something is denser than the water it will sink.

But if the water's denser then.....

Well, what do you think?



## Sink or Float

I predict \_\_\_\_\_ will Sink FLOAT

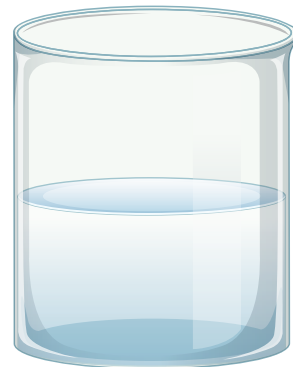
I predict \_\_\_\_\_ will Sink FLOAT

### A picture of

#### My Prediction



#### My Observations



My prediction was

The \_\_\_\_\_

The \_\_\_\_\_

**CORRECT**

Sunk

Sunk

**INCORRECT**

Floated

Floated

# LEGO Boat Challenge

Did you know the largest ship in the world (as of writing this post) is called the Prelude? It is the size of **four soccer fields** and can hold **19,000 twenty-foot shipping containers**.

## How do large ships like the Prelude float?

Explore the concept of buoyancy and put your engineering skills to the test as you construct your own LEGO boat.

## How many cents can your boat hold before it sinks?

### Supplies:

- LEGO Bricks
- Container of Water
- 1 cents
- Timer (optional)

### Instructions:

1. Sketch and design your LEGO boat. Once you are satisfied with the design start building your boat.
2. Test your boat in the water. Does it float? If needed go back and re-design your boat.
3. Predict how many cents you think your boat will hold before it starts to sink. Slowly add the cents (one at a time) to your boat.
4. Try re-designing your boat to hold even more cents.

### The Science Behind It:

Buoyancy is the upward force that keeps an object afloat. An object will float when it's buoyancy is greater than the object's weight.



# The Salt Water Experiment

## Supplies:

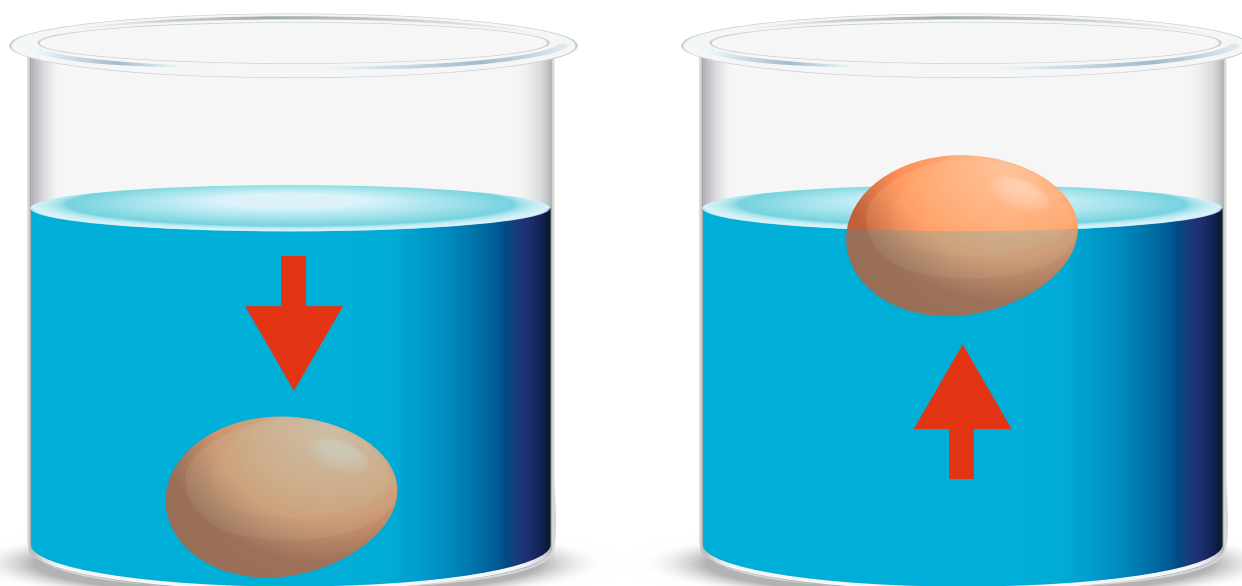
- Table salt
- Two clear glasses
- Tablespoon
- Tap water
- Two raw eggs

## Instructions:

1. Fill the two glasses with tap water.
2. Add about 6 tablespoons of salt in one container and stir it well with a tablespoon until the salt has completely dissolved in the water.
3. Place one egg in each of the containers and observe which one of the eggs float in the container and which one sinks.

## How does it work?

The first egg sinks to the bottom of the glass of regular tap water. This is because a raw egg has a greater density than regular tap water. Essentially, the egg has more matter stuffed into a specific area (volume) than the same amount of water. When you add salt to the water, you increase the density. That is to say, the salt packs into the same volume of water. With enough salt added to the water, the density of the water is greater than the egg, allowing the egg to float.



# Design your Boat

**Design Your Own Boat:**



	Prediction Number of cents	Actual Number of cents
Test 1		
Test 2		
Test 3		

**Which boat held the most cents? Why do you think it was successful?**

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# Word Search

Can you find **all the words** below in this word search?

S	T	R	E	A	D	W	A	T	E	R	G	T	Y	V	P	F	T	E	R
H	L	E	A	R	N	T	O	S	W	I	M	D	Y	S	O	R	A	C	X
A	O	O	A	E	B	F	A	C	E	I	N	T	O	T	Y	O	D	F	U
L	U	Y	P	K	D	L	B	A	D	J	E	D	S	E	Z	N	U	C	Y
L	D	A	E	O	D	O	G	X	S	F	D	A	Z	A	G	T	O	A	R
O	B	S	Z	R	F	A	P	E	A	S	H	Z	P	C	Y	C	P	L	E
W	D	Y	X	T	J	T	O	S	E	K	F	H	R	H	P	R	L	L	T
E	A	F	B	S	G	Y	R	L	C	J	E	E	Z	E	D	A	M	F	Q
N	E	S	R	K	X	E	B	I	E	C	T	Y	C	F	E	W	A	O	E
D	P	F	J	C	T	B	K	G	H	A	N	W	A	H	D	L	B	R	D
G	O	G	G	A	U	D	M	H	W	K	E	S	N	L	O	F	A	H	I
E	B	T	W	B	U	T	T	E	R	F	L	Y	W	W	E	P	D	E	S
P	A	K	W	Z	O	P	H	C	W	L	F	B	P	I	J	A	R	L	E
F	C	O	Y	H	C	T	F	E	C	Y	A	O	C	N	M	Z	A	P	H
Z	L	N	J	M	N	G	D	G	O	G	G	L	E	S	D	D	U	Z	T
B	S	E	D	I	V	E	F	H	E	K	O	H	S	G	O	Z	G	S	N
P	U	O	S	Y	O	W	X	D	W	B	G	D	F	H	D	H	E	L	O
O	K	E	P	U	S	H	A	N	D	G	L	I	D	E	I	Z	F	M	T
D	O	D	E	E	P	E	N	D	X	B	O	D	H	A	O	X	I	S	I
T	P	A	O	B	E	K	O	R	T	S	T	S	A	E	R	B	L	P	S

SWIM

SHALLOW END

SIT ON THE  
SIDETOES IN THE  
WATER

FACE IN

BLOW BUBBLES

KICK

FLOAT

PUSH AND  
GLIDE

DIVE

FRONTCRAWL

BREASTSTROKE

BACKSTROKE

BUTTERFLY

TREAD WATER

CALL FOR HELP

TEACHER

LIFEGUARD

DEEP END

LEARN TO  
SWIM

WATER SAFETY

GOGGLES

