

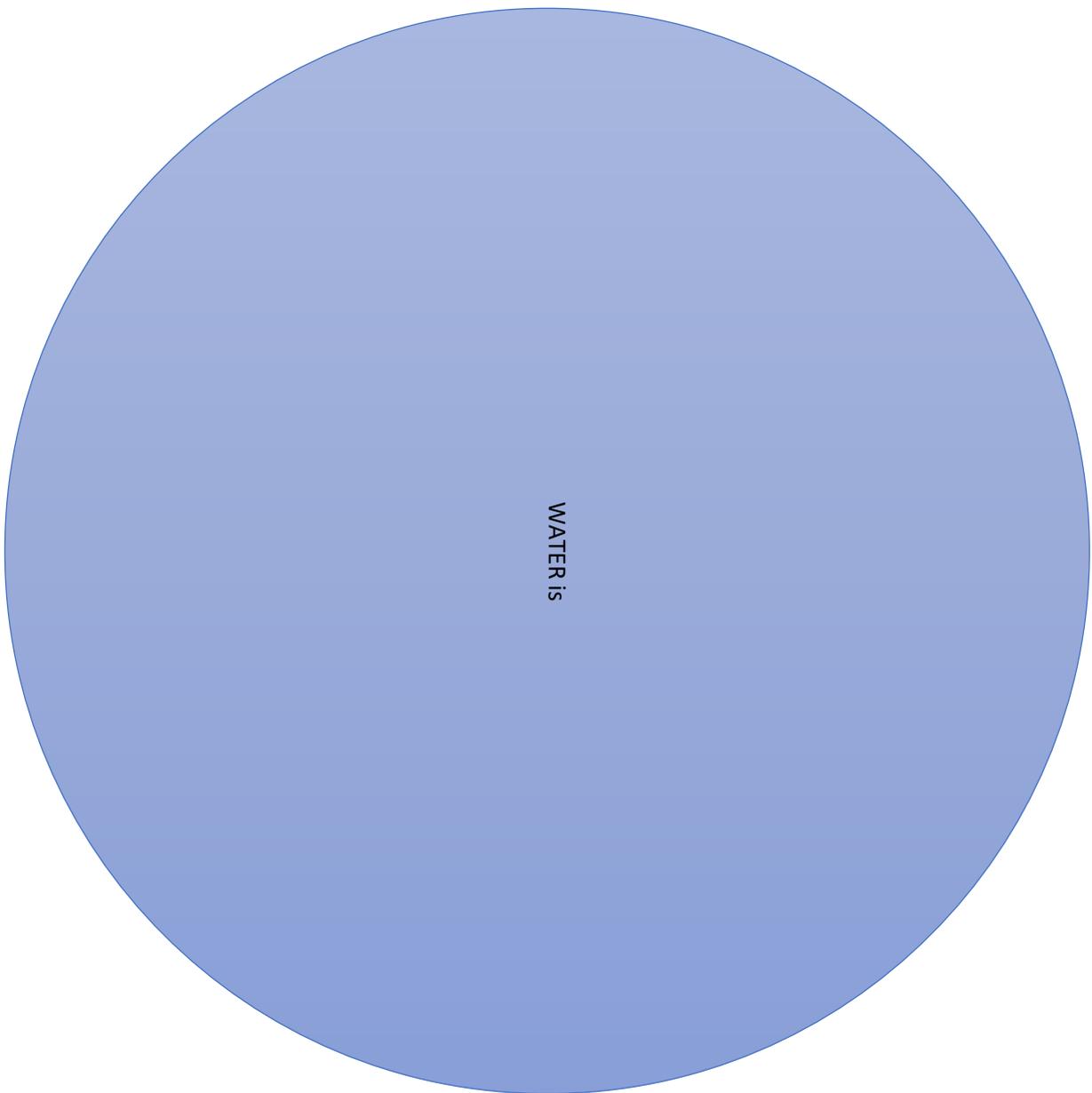
Lesson 1

Activity 2

WORKSHEET 1

WORDS IN A DROP OF WATER

- ✓ Read the definitions of water
- ✓ Draw a big drop of water.
- ✓ Write the words inside the drawing



LESSON 2

Activity 4

WORKSHEET 2

FLOATING FLOWERS

- ✓ You need:
- ✓ Sheets of paper
- ✓ Scissors
- ✓ Bowls of water

1. Draw some flowers using a sheet of paper.
2. Cut out the flowers
3. Fold the flowers
4. Put the flowers into the water
5. Wait 5 minutes
6. Write your conclusion

| |
|---|
| Ask a question What happens if you put the flowers into the water? |
| Research your topic |
| State your Hypothesis |
| Test your Hypothesis |
| Analyze your data |
| Report your results |
| Write your conclusions |

LESSON 3

ACTIVITY 2

WORKSHEET 3

Will it sink or float?

1. Write the name of one item that you want to test in the first column on the left.
2. In the first column, circle if you think the object will sink or float. This is your prediction.
3. Drop the object into the water and observe what happens. Was your prediction right?
Circle sink or float to show what happened. This is the results of your experiment.

| Write the name of each object | What do you think will happen? | What happened? |
|--------------------------------------|---------------------------------------|-----------------------|
| | Sink Float | Sink Float |

LESSON 3

ACTIVITY 3

WORKSHEET 4

THE TOWER OF LIQUIDS

You need:

1. Honey
2. Maple syrup
3. Olive oil
4. Milk
5. Soap
6. Alcohol
7. Some water
8. Food colouring: blue

| | |
|---|-------|
| Ask a question: What happens if you put different liquids in a cointainer? | |
| Research your topic | |
| State your Hypothesis | |
| Test your Hypothesis | |
| Analyze your data | |
| Report your results | |
| Write your conclusions | |

LESSON 3

Activity 4

WORKSHEET 5

Buoyancy force vs Force of gravity

| | | | | |
|---------|----------------|----|----------------|----------|
| density | Volume | SI | unit | newton |
| Weight | mass | | Gravity force | Kg |
| | Buoyancy force | | m ³ | displace |

1. Fill in the gap using the words in the box

What happens if you put an apple in a container of water?

..... will put it down.

.....will push it up.

The apple will have toenough water to support its

m/=

In the.....the unit for measuring mass is.....

Mass is the amount of matter

.....is the quantity of 3D space enclosed by a surface.

In the SI thefor measuring volume is.....

d =

In the SI the unit for measuring weight is

LESSON 3

ACTIVITY 4

KEY:

WORKSHEET 5

What happens if you put an apple into a container of water?

Gravity force will put it down.

Buoyance force will push it up.

The apple has to displace enough water to support its weight.

$m =$ mass

In the SI the unit for measuring mass is kg

Mass is the amount of matter

Volume is the quantity of 3D space enclosed by a surface.

In the SI the unit for measuring volume is m^3

$d =$ density

In the SI the unit for measuring weight is the newton.

The [unit of measurement](#) for weight is that of [force](#), which in the [International System of Units](#) (SI) is the [newton](#).

Test 1

TRUE or FALSE?

Read the following definitions and
put a tick next to True or False

- | | | |
|--|---|---|
| 1 Water is made up of three elements | T | F |
| 2 The solid state of water is known as ice | T | F |
| 3 Ice doesn't float in water | T | F |
| 4 The chemical formula of water is CO ₂ | T | F |
| 5 Water is attracted to water | T | F |
| 6 Water is attracted to other substances | T | F |
| 7 Adhesion is one of water properties | T | F |
| 8 Capillary has an important role in plant | T | F |
| 9 The force of gravity pulls the objects up | T | F |
| 10 An object less dense than water will sink | T | F |

Key Test 1

TRUE OR FALSE?

1. F Water is made up of two elements: 2 atoms of Hydrogen and one atoms of Oxygen.
2. T
3. F Ice is less dense thank water and floats
4. F The chemical formula of water is H2O
5. T
6. T
7. T
8. T
9. F The force of gravity pulls the objects down.
10. F An object less dense than water floats