Classifying Organisms — Worksheet 5A

Name: _____ **Date:** _____

What do you already know about micro-organisms? Write some facts in the box, then think of two questions you would like to find the answer to. Use different sources to help you find the answers.

What I know about micro-organisms:

What do I want to find out?

Question 1:

What do I want to find out?

Question 2:

Classifying Organisms — Worksheet 5B

Name: _____ **Date:** _____

What do you already know about micro-organisms? Write some facts in the box, then think of four questions you would like to find the answer to. Use different sources to help you find the answers.

What I know about micro-organisms:

What do I want to find out?

Question 1:

What do I want to find out?

Question 2:

What do I want to find out?

Question 3:

What do I want to find out?

Question 4:

Name: _____ Date: _____

MICRO-ORGANISMS

WHAT ARE MICRO-ORGANISMS?

WHAT DO MICRO-ORGANISMS LOOK LIKE?

HOW ARE MICRO-ORGANISMS GROUPED?

HOW CAN MICRO-ORGANISMS BE HELPFUL?

HOW CAN MICRO-ORGANISMS BE HARMFUL?

Name: _____ Date: _____

The Yeast Experiment

What are you trying to find out?

Which food do you think the yeast will like the most? Why?

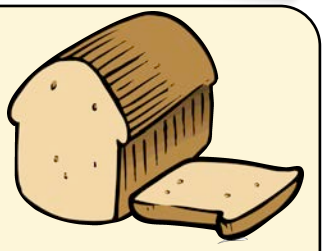
Which food do you think the yeast will like the least? Why?

RESULTS

Salt	Sugar	Flour
Rice	Coffee	Oil

Conclusion:

Yeast is a micro-organism that is used in bread to make it rise. When the yeast feeds on the dough, it produces gas which forms air bubbles in the bread. Yeast is put in bread and it eats the dough but what does yeast most like to eat? Is there anything else that yeast loves? Follow the steps in this experiment to find out.



You will need:

- 6 plastic cups
- Water
- Measuring jug
- Weighing scales
- 6 sachets of yeast (7g)
- 6 ziplock bags
- 20g salt
- 20g sugar
- 20g coffee
- 20g flour
- 20g rice
- 20g oil

Place 6 plastic cups in a row and measure 200ml of water into each one.

Carefully open each packet of yeast and pour a sachet into each of the cups of water.

Measure out 20g of each of the foods you will be testing: sugar, salt, flour, rice, coffee and oil. Place each one in a separate ziplock bag.

Label each of the ziplock bags with the food it has inside.

Carefully pour one of the water and yeast mixtures into each of the ziplock bags until each bag has water, yeast and a food sample in.

Close the ziplock bag and make sure they are secure so that the water cannot leak.

Gently shake each of the bags to mix the water, yeast and food together, then place flat on a table.

Leave the bags for an hour or two then go back and look at how much air is in each of the bags.

Whichever bag has the most air contains the food that yeast most likes to eat. The bag with the least air contains the food that yeast least likes to eat.