**FISH, FOSSILS AND FUEL LAB**

***Student Instructions- Day 1***

1. Carefully pull the crust from the three slices of bread.
2. Place a piece of white bread on top of a paper towel. Put two or three gummy candies on top of the white bread.
3. Place a piece of rye bread on top of the white bread layer. Put two or three gummy candies on top of the rye bread.
4. Place a piece of wheat bread on top of the rye bread layer.
5. Fold the paper towel to cover your bread fossil.
6. Place two textbooks or a heavy object found in the room on top of the bread. Place your bread fossil with the pressure source in a secure area of the classroom.
7. Complete the table for Day 1 on observation chart. Answer Day 1 lab questions. Each student in your group will complete their own chart and lab questions.

***Day Two***

1. Observe your bread fossil and complete Day 2 on observation chart.

***Day Three***

1. Unfold your “bread fossil.” Place the straw in your fossil into the middle of the bread fossil to “extract” a core sample.

2. Remove the core sample and observe the layers through the straw. Record your observations in words and draw a picture on observation chart Day 2.

3. Take your knife and cut the bread fossil in half. Look at the layers of your fossil. Record your observations.

4. Pick up your bread fossil and try to separate the layers of the bread. Try to extract the fish.

**FISH, FOSSILS AND FUEL LAB QUESTIONS**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Day One***

1. Which piece of bread looks like the sandy floor of the ocean? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. What layer of bread did we use to represent the sediments? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. What does the last layer of bread represent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. What was used to put pressure on the “rock layers” of the “bread fossil?” \_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Day 2***: No questions, complete observation chart only.

***Day Three***

1. What do you see in the straw?

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2. What do you see when you cut into the bread fossil?

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3. Are there any similarities and differences in the straw sample and the bread fossil?

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4. Describe how the core sample of the “bread fossil” looks.

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5. Why do you think the layers are difficult to separate?

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6. Can you identify the mold and the cast of the gummy fish?

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7. Draw what you see in your core sample taken from the straw.

8. Draw what you see as you cut into the bread fossil.

**FISH, FOSSILS AND FUEL LAB OBSERVATION CHART**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Day 1 Written Description  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Day 1 Drawing |
| Day 2 Written Description  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Day 2 Drawing |
| Day 3 Written Description  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Day 3 Drawing |

**GUILLEMOT FORAGING FOR FOOD ACTIVITY DATA SHEET**

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| Pack Ice Distance | Cod Collected |
| **Trial 1** |  |
| **Trial 2** |  |
| **Trial 3** |  |

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