

1. Title of Experiment

2. Hypothesis (Do you think rice is more dense or less dense than water? Based on this, will your rice sink or float?)

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3. Draw a Picture of your Design (Draw what you think will happen.)

Dancing Rice

4. Data Collection/Observations (Write or draw any changes that you see happening.)

5. Results (Draw a picture to show what happened to the rice during this experiment.)

6. Analysis/Answer Questions

When you first added the rice, you noticed it sank. Does this mean that the rice is more or less dense than water?

When you added the vinegar to the water, you should have noticed bubbles forming. These were carbon dioxide bubbles. What do humans do with carbon dioxide? What organisms need carbon dioxide for the process of photosynthesis?

When the carbon dioxide bubbles attached to the rice, they began to rise to the top. Does this mean that carbon dioxide gas is more or less dense than water?