



## Question

Scuba divers must be **neutrally buoyant** while observing ocean life. The buoyancy of a diver can be changed by altering the weight and amount of air present. How can you make your plastic figure neutrally buoyant?

What does it mean to be neutrally buoyant?

## Materials

- plastic figure
- paper clips
- toothpicks
- water
- bucket
- nails
- bolts
- rubber bands
- corks
- rubber bands
- masking tape

## Methods

Attach materials to the plastic figure using rubber bands or masking tape and test its buoyancy by placing it in the bucket of water to see if it floats or sinks. Once the figure is neutrally buoyant record your data in the box below.

## Data Collection

In the space below, draw your figure with all added materials. Label the materials you used to make the figure neutrally buoyant.

Write two to three sentences below explaining how you ended up at your final setup.

## Conclusion

What did you discover during this experiment?

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