

Name \_\_\_\_\_

TASK 1

Period \_\_\_\_\_

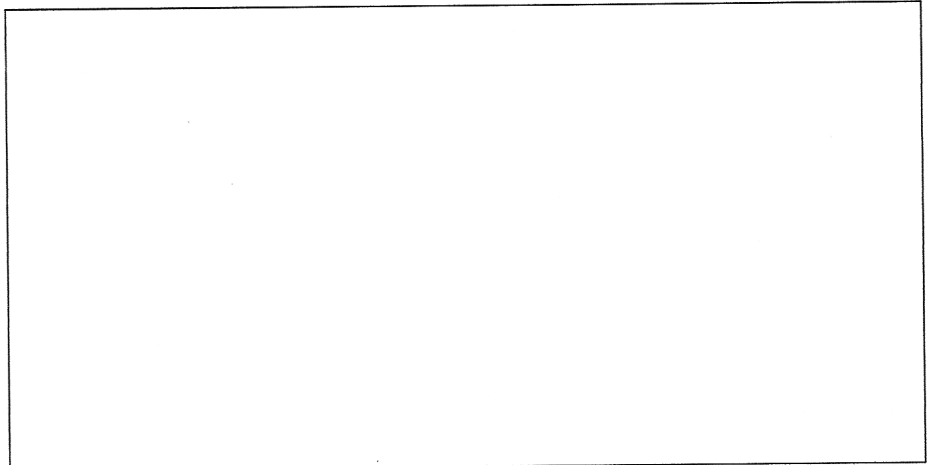
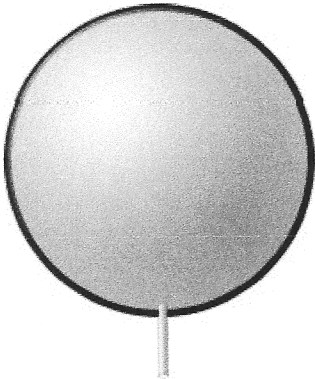
## Vessels of Water

Below are representations of three-dimensional vessels. The three vessels are full of water.

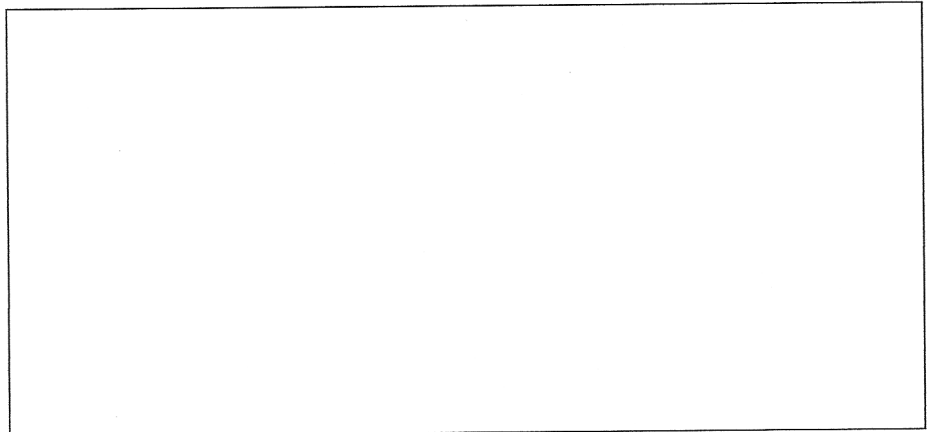
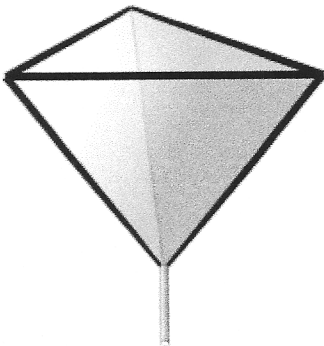
Water flows out through a pipe in the bottom of each vessel.

Sketch diagrams for each vessel to show how the shape of the surface of the water changes as the water flows out of each vessel. For each of your drawings describe the shapes formed.

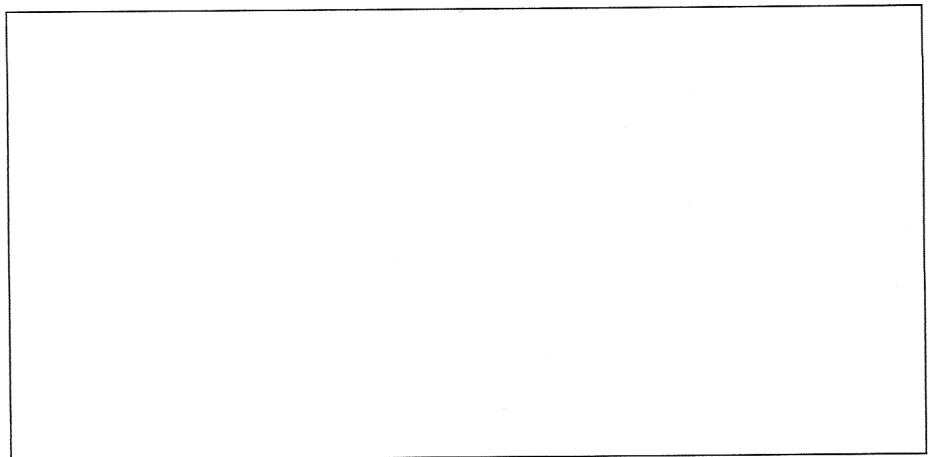
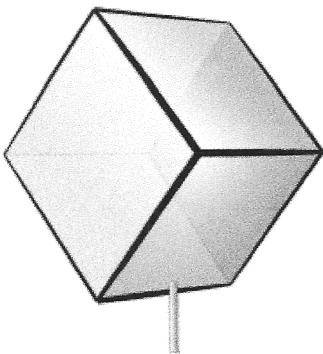
1. Sphere



2. Regular tetrahedron



3. Cube



Name \_\_\_\_\_

TASK 3

Period \_\_\_\_\_

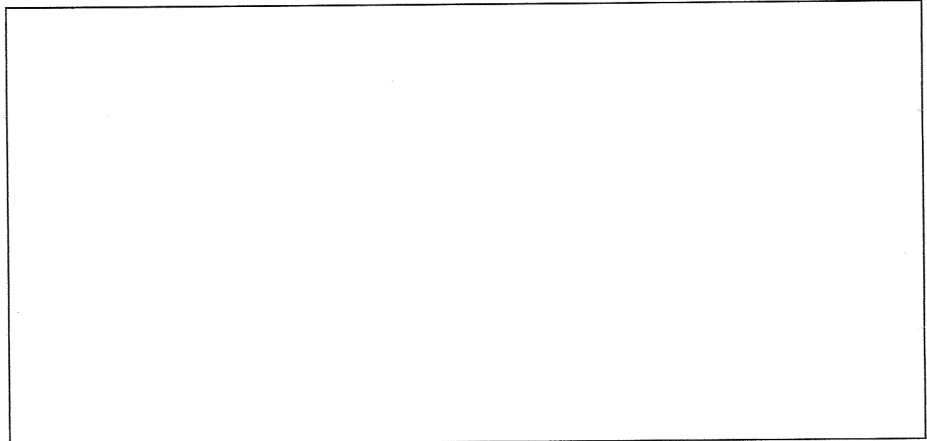
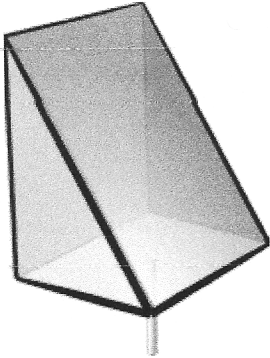
## Vessels of Water (revisited)

The three vessels are full of water.

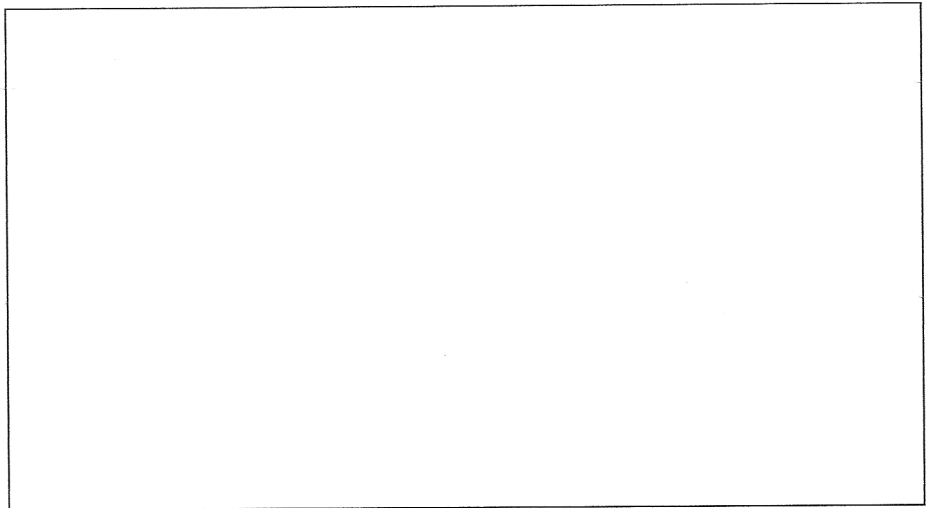
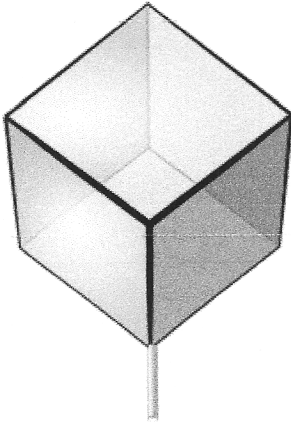
Water flows out through a pipe in the bottom of each vessel.

Sketch diagrams to show how the shape of the surface of the water changes as the water flows out of each vessel. Describe the shapes formed.

1. Triangular prism



2. Cube



3. Regular tetrahedron

