



PINE CONE EXPERIMENT

Name: _____

QUESTION:

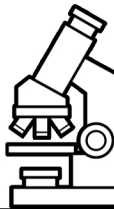
Do pine cones open
and close in response
to water?

HYPOTHESIS:



MATERIALS:

- ☐ 2 pine cones
- ☐ 1 bowl of warm water
- ☐ 1 dry surface or tray
- ☐ Lab journal
- ☐ Pencil
- ☐ Ruler (optional)



PROCEDURE:

1. Observe both pine cones before the experiment. Draw what they look like and record whether their scales are open or closed.
2. Place one pine cone in a bowl of warm water. Leave the second pine cone on a dry surface nearby.
3. Wait 20-30 minutes. Observe both pine cones. Record what you notice about the scales on each one.
4. Remove the wet pine cone from the water and place it on a dry surface. Check again after 30-60 minutes as it dries. Record what happens.
5. Record your final observations and write your conclusion.

FINAL OBSERVATIONS:

Pine Cone #1: In Water

Pine Cone #2: Dry

CONCLUSION:



PINE CONE OBSERVATIONS

Name: _____

WATER EXPERIMENT

BEFORE EXPERIMENT

AFTER WATER (20-30 min)

AFTER DRYING (30-60 min)

FINAL OBSERVATION