INQUIRY!

Science 8 **September 2019**

Mrs. Plyter plyter.com/science

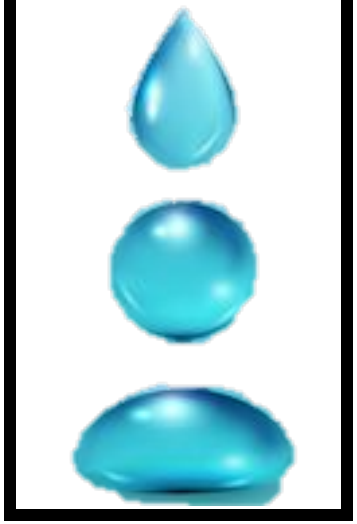
Name Period

Thursday	Friday
5	6

Science 8 RULES!

_ Work..
_ Enjoy...
_ Figure it out!
_ Do Science!!

_Fill in the Rules Handout



Welcome!

✓ Check as you Read.
X X as you Complete/Agree.
___ Get Teacher Signatures

__1. Weekly Calendars of Assignments are Due the Last Day of the Week.

__2. Daily Quiz→ *MyGradebook (QuizLab)* Student Initials = ? points

__3. Teacher Initials = 5+ Points

__5. Seat → Alphabetical Order
Seat Number # _____
Digital Microscope Camera #____
Chromebook # _____

__6. *Google Classroom*
Discovery Science
McGraw Hill/Glencoe
Screen Checks/ ScreenShots

__7. Extras, Extensions and Advanced are expected!

__4. Read, Agree, Sign the Rules.

Use Inquiry To Investigate A Phenomenon:

Liquid molecules attract each other to form drops.

Problem:

Compare the force of cohesion of different liquids.

EXTEND: Compare Adhesion or Surface Tension.

__1. Use **Investigation Template** in *Google Classroom.*

__2. Use the Inquiry **Notes→→**

__3. Complete **EACH** requirement for 4+.
20+_____

Inquiry Notes:

__1. Use definitions & examples for Background Information.

__2. Inquiry must include measurable and measured data, using numbers.

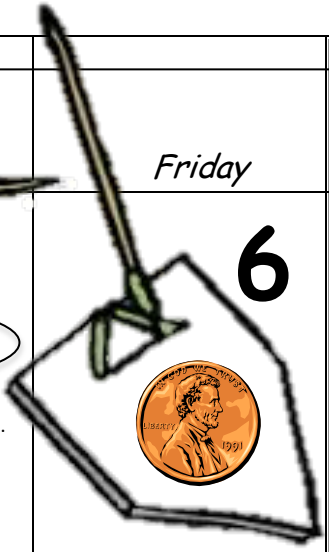
__3. Design drawings and data trials are required.

__4. **Definitions:**
__**Cohesion:** the force of attraction (sticking) between particles of the same substance. **Cohesion** can be **measured** by
__The number of drops that stay on a penny.

__ The heights of drops on a horizontal surface.

__**Adhesion**: the force of attraction between the particles of different substances.

__**Surface Tension:** the force of cohesion at the surface of a liquid that causes molecules to go together and form a layer stronger than within, allowing a more dense object to float on the liquid.



Soap Powered Penny Boat Races !

Next Week..

Calendars Due: Last Day of the Week

In your Class Folder!

Points:

Welcome! and Rules

Write Objective + (Calendar Back)

Inquiry

Daily Quizzes:
Practice Tests→ *MyGradebook*
Write Points And your Initials.

Tue ____ ____

Wed ____ ____

Thur ____ ____

Fri ____ ____

Total _____

Advanced Science is expected!:
Do Extras, Extensions and Advanced.

Central Science Home Page: www.plyter.com/science

Practice Tests → My Gradebook-*QuizLab* → Classword = plyter20 → Password = Student #
Google Page → **Google Classroom** →Sign in. Class Code: **yzbzxn**
Discovery Science Password = 24LastFirstInitial **McGraw Hill/Glencoe** _____
Physical Science → **Forces and Energy** → **USGS Surface Tension**
(https://www.usgs.gov/special-topic/water-science-school/science/water-properties)

OBJECTIVE:

Write your Objective: _____

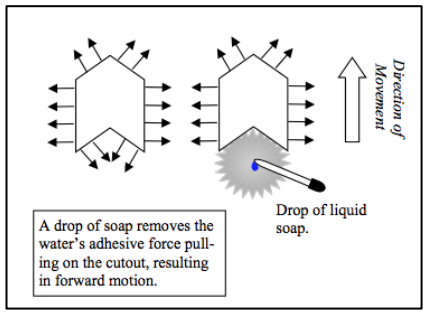
_____

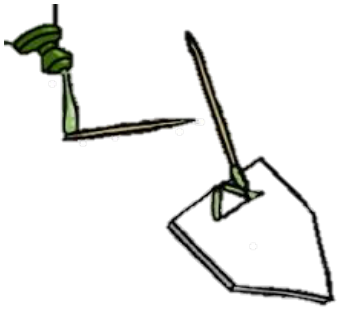
_____

_____

Forces and Water: Fill in the blanks:

1. Water molecules stick together to form drops. This force is called _____.
2. When water sticks to glass the force is _____.
3. Water molecules on the surface of a liquid show even a stronger cohesion, called _____.
4. Another substance added to water changes the _____ of cohesion, adhesion and surface tension.
5. The height of a drop of liquid is one measure of the force of _____ of that liquid.
6. You can reduce the forces of adhesion and cohesion of water by adding another substance, such as _____.





Use Scientific Inquiry as you Investigate a Phenomenon According to the “The Investigation Template”.