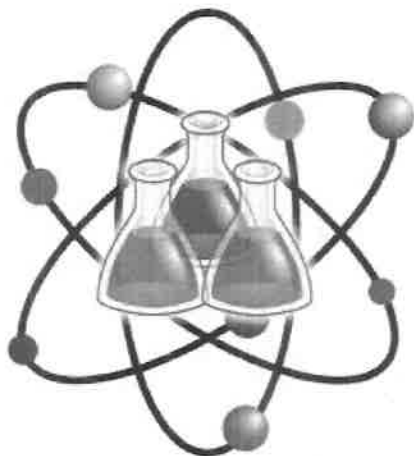


My Science Journal

(Solids & Liquids Module)

Name _____

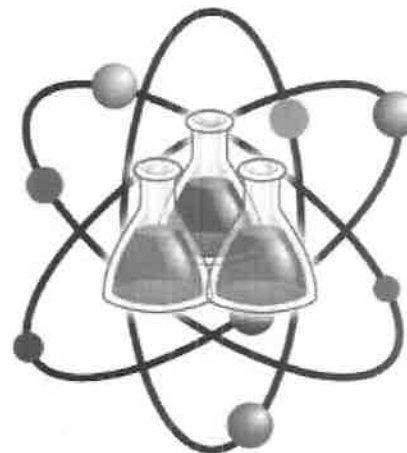


2nd Grade

My Science Journal

(Solids & Liquids Module)

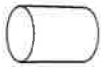
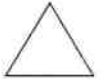





Name _____



2nd Grade

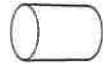
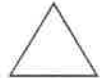





Object Materials

What are solid objects made of?

Object	Material
Cylinder 	
Triangle 	
Tube 	
Cloth 	
Stick 	
Wire 	
Screw 	

Object Materials








What are solid objects made of?

Object	Material
Cylinder 	
Triangle 	
Tube 	
Cloth 	
Stick 	
Wire 	
Screw 	








How can solid objects be
described?

How can solid objects be
described?

Properties of Solid Objects

Object	Cylinder	Triangle	Tube	Cloth	Stick	Wire	Screw
							
Property							
Round							
Pointy							
Flexible							
Rigid							
Soft							
Hard							
Transparent							

Properties of Solid Objects

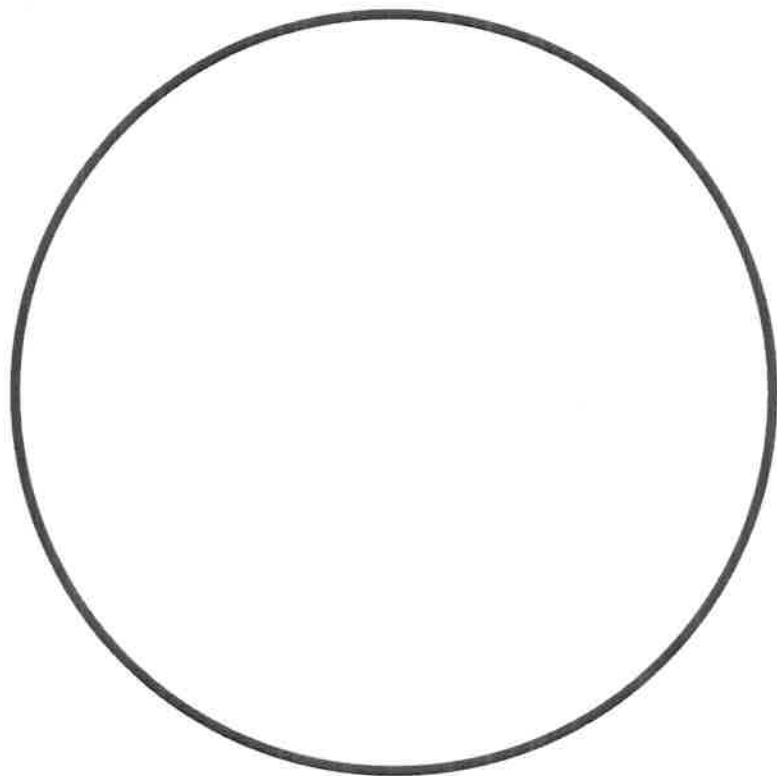
Object	Cylinder	Triangle	Tube	Cloth	Stick	Wire	Screw
							
Property							
Round							
Pointy							
Flexible							
Rigid							
Soft							
Hard							
Transparent							

What are solid objects
made of?

What are solid objects
made of?

Object Grouping

Can two or more objects have
the same property?



These objects share the property of

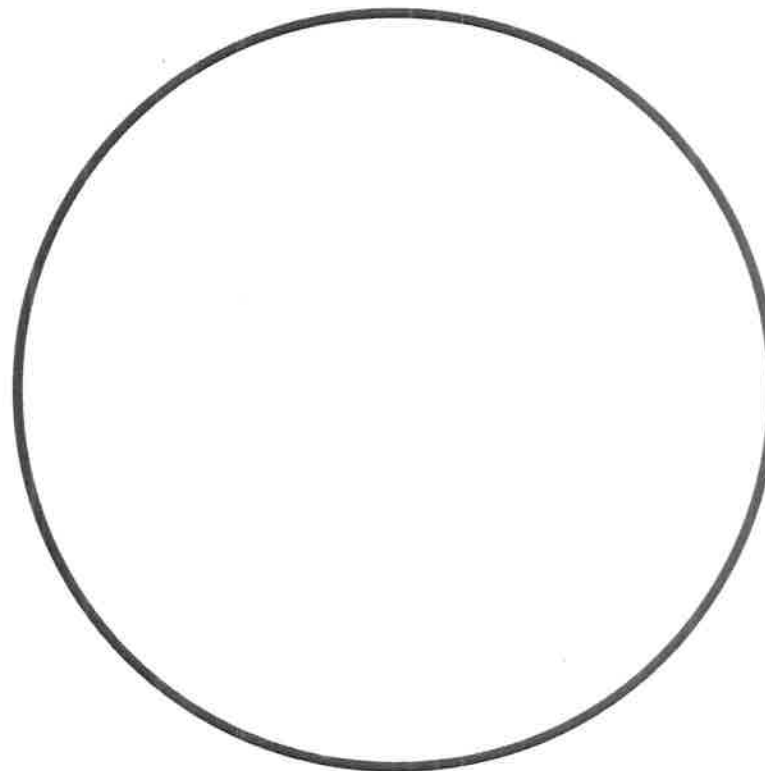
_____.

Objects that have this property can be used for

_____.

Object Grouping

Can two or more objects have
the same property?



These objects share the property of

_____.

Objects that have this property can be used for

_____.

Can two or more objects
have the same property?

Can two or more objects
have the same property?

Towers

What are the properties of successful towers?

a. Draw a picture of your tower and label the parts.

b. Write about the properties of the top of your tower.

c. Write about the properties of the base of your tower.

d. Write about one part of your tower that was very important to its success in the wind.

Towers

What are the properties of successful towers?

a. Draw a picture of your tower and label the parts.

b. Write about the properties of the top of your tower.

c. Write about the properties of the base of your tower.

d. Write about one part of your tower that was very important to its success in the wind.

Outdoor Solids

What solid objects are outdoors?

Object	Twig	Paper					
Property							
Smooth							
Rough							
Flat							

Outdoor Solids

What solid objects are outdoors?

Object	Twig	Paper					
Property							
Smooth							
Rough							
Flat							

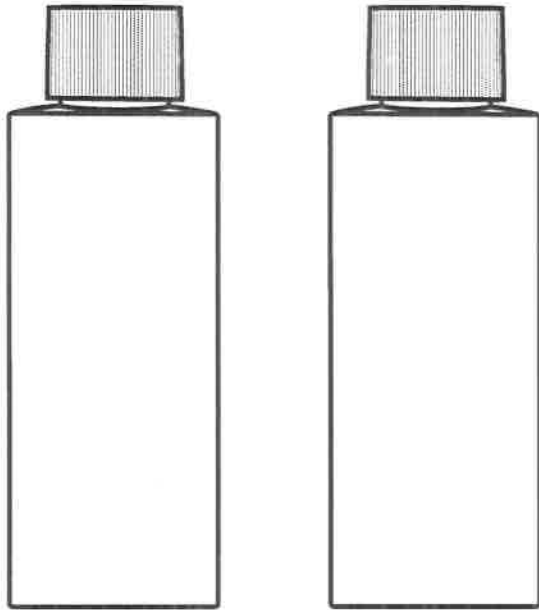
Are there solid objects
outdoors?

Are there solid objects
outdoors?

Liquid Exploration

How are liquids different from each other?

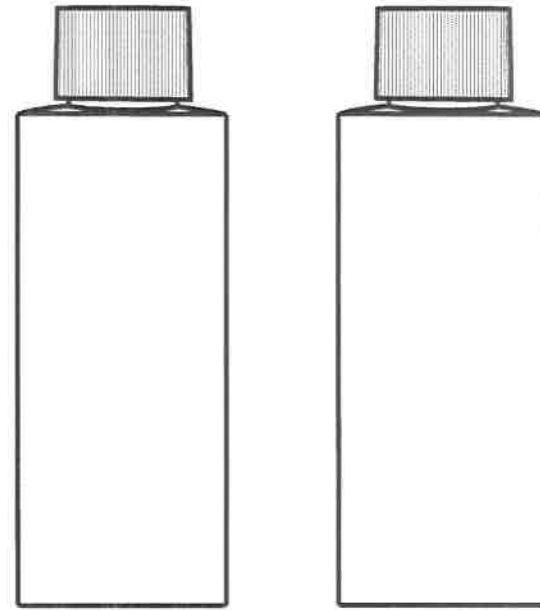
Some liquids are _____, but
other liquids are _____.



Liquid Exploration

How are liquids different from each other?

Some liquids are _____, but
other liquids are _____.



How are liquids different
from each other?

How are liquids different
from each other?

Liquid Properties

How can liquids be described?

Object Property	Water	Hand soap	Oil	Corn syrup	Water with color	Dish soap	Starch
Transparent							
Translucent							
Has color							
Viscous							
Bubbly							
Foamy							

Liquid Properties

How can liquids be described?

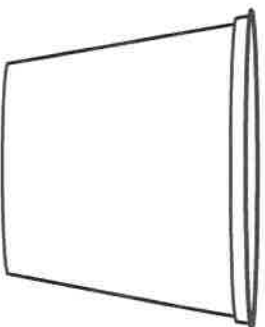
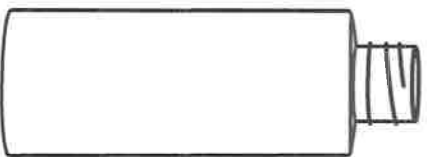
Object Property	Water	Hand soap	Oil	Corn syrup	Water with color	Dish soap	Starch
Transparent							
Translucent							
Has color							
Viscous							
Bubbly							
Foamy							

How can liquids be
described?

How can liquids be
described?

Liquids in Containers

1. Put one small vial of water in each container.
2. Draw the level of the water in each container.

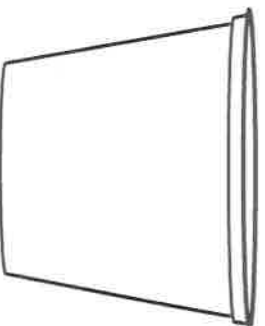
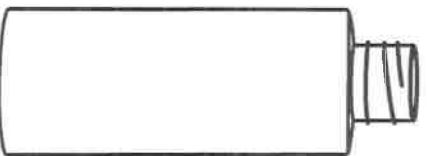


Small
vial



Liquids in Containers

1. Put one small vial of water in each container.
2. Draw the level of the water in each container.

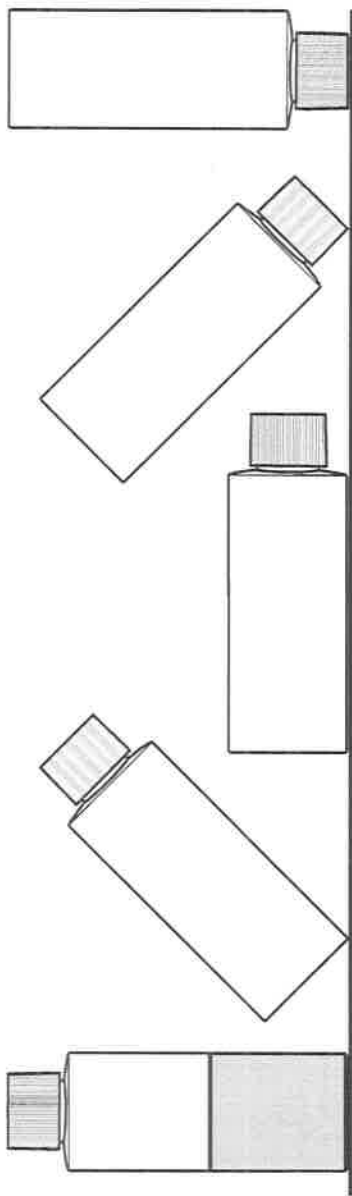


Small
vial



Liquid Level in a Bottle

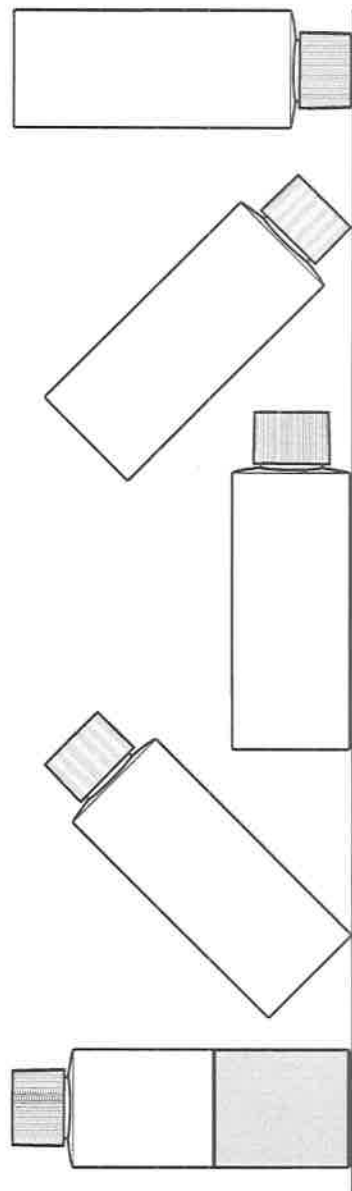
How does the liquid change when the bottle tips?



Draw what the liquid looks like in each picture as the bottle turns upside down.

Liquid Level in a Bottle

How does the liquid change when the bottle tips?



Draw what the liquid looks like in each picture as the bottle turns upside down.

How do liquids change in
containers?

How do liquids change in
containers?

Falling-Bottle Puzzle

How do liquids change in containers?

When liquids are in containers, the liquids

Falling-Bottle Puzzle

How do liquids change in containers?

When liquids are in containers, the liquids

Are these materials solid
or liquid?

Are these materials solid
or liquid?

Soup Mix

How can mixtures of particles
be separated?

Mixtures of particles can be separated by

Soup Mix

How can mixtures of particles
be separated?

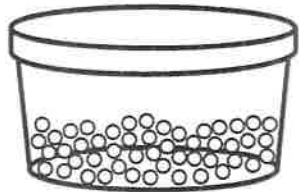
Mixtures of particles can be separated by

How can mixtures of
particles be separated?

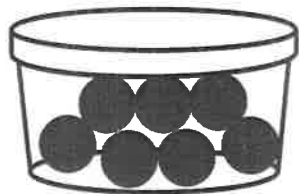
How can mixtures of
particles be separated?

Bead Mix A

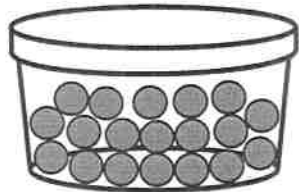
Which screens can separate beads?



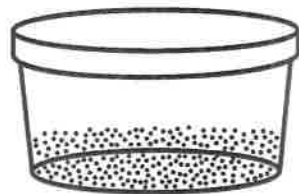
Which screens can these beads go through?



Which screens can these beads go through?



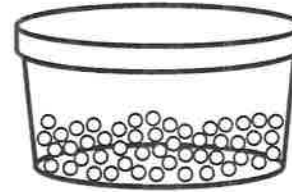
Which screens can these beads go through?



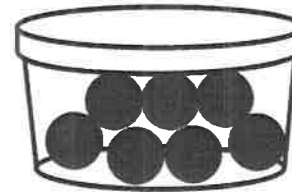
Which screens can these beads go through?

Bead Mix A

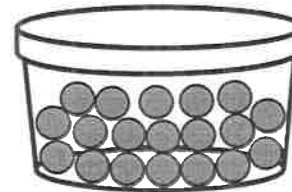
Which screens can separate beads?



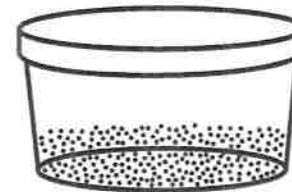
Which screens can these beads go through?



Which screens can these beads go through?



Which screens can these beads go through?



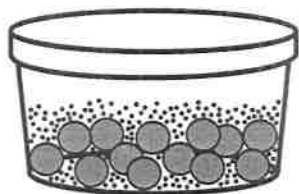
Which screens can these beads go through?

How do particles of solids
move in bottles?

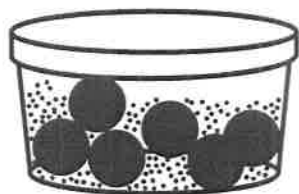
How do particles of solids
move in bottles?

Bead Mix B

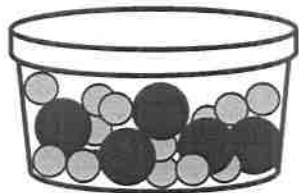
Which screens can separate beads?



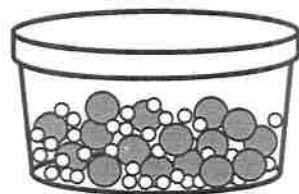
Which screens can separate this mixture?



Which screens can separate this mixture?



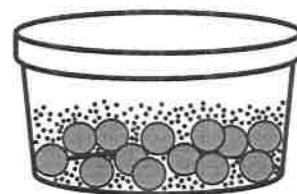
Which screens can separate this mixture?



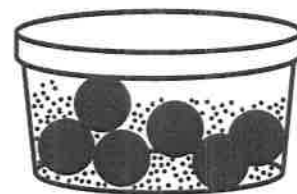
Which screens can separate this mixture?

Bead Mix B

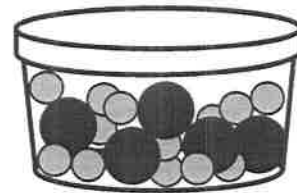
Which screens can separate beads?



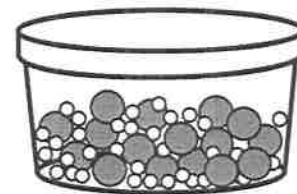
Which screens can separate this mixture?



Which screens can separate this mixture?



Which screens can separate this mixture?



Which screens can separate this mixture?

Where are liquids
outdoors?

Where are liquids
outdoors?

What is a general rule for
using screens to separate
a mixture of small objects?

What is a general rule for
using screens to separate
a mixture of small objects?

Particles Outdoors

Are there little pieces of solid material outdoors?

We found _____ outdoors.

We poured _____ and water on the ground.
This is what we saw.

Water	Particles

Particles Outdoors

Are there little pieces of solid material outdoors?

We found _____ outdoors.

We poured _____ and water on the ground.
This is what we saw.

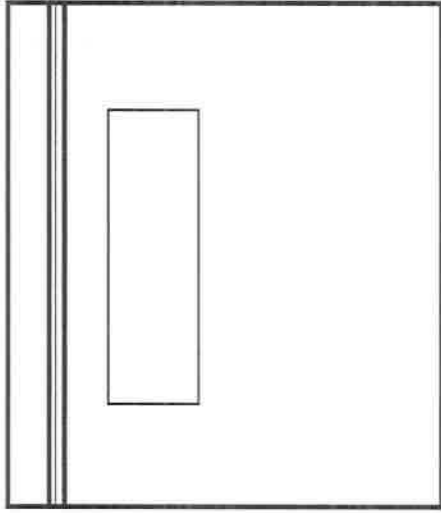
Water	Particles

Are there little pieces of
solid material outdoors?

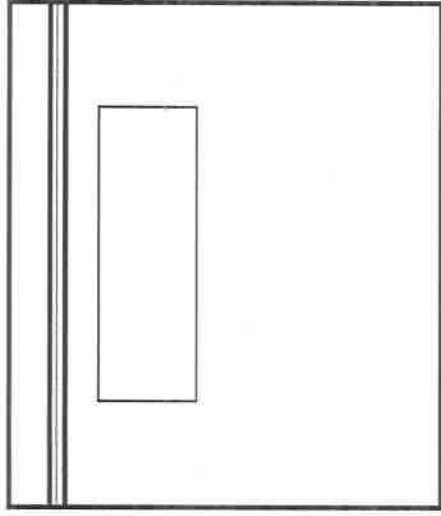
Are there little pieces of
solid material outdoors?

Solid Materials in Water A

What happens when solids are mixed with water?



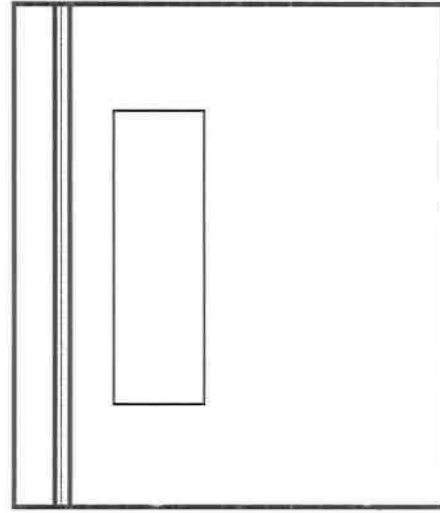
1. First, the solid was dry. The solid looked



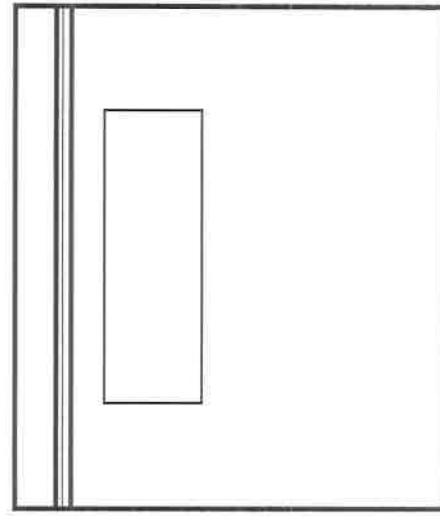
2. After a night in water, the solid looked

Solid Materials in Water A

What happens when solids are mixed with water?



1. First, the solid was dry. The solid looked



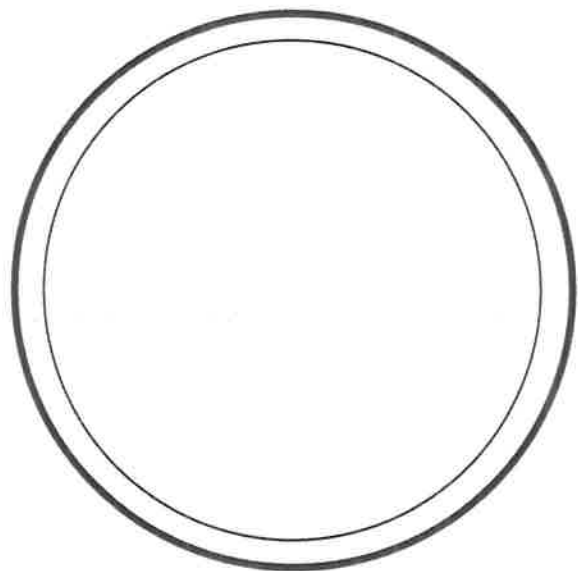
2. After a night in water, the solid looked

What happens when solids
are mixed with water?

What happens when solids
are mixed with water?

Solid Materials in Water B

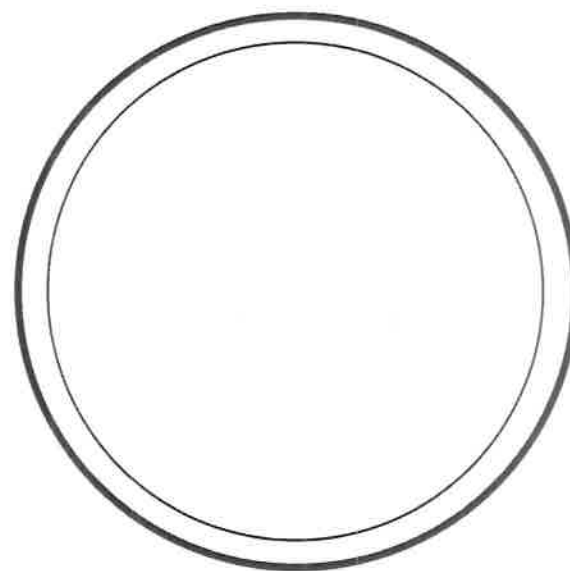
Record what your dry solid looks like.



3. Then the water evaporated. The solid looked

Solid Materials in Water B

Record what your dry solid looks like.



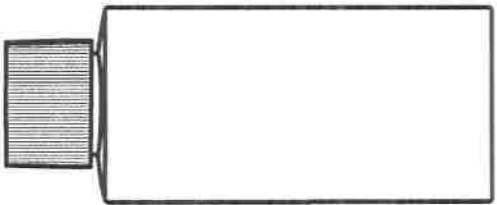
3. Then the water evaporated. The solid looked

Liquid with Water

What happens when _____ is mixed with water?



1. Add water. How does it look?



2. Shake it. How does it look?



3. How does it look the next day?

Liquid with Water

What happens when _____ is mixed with water?



1. Add water. How does it look?



2. Shake it. How does it look?



3. How does it look the next day?

What happens when
liquids are mixed with
water?

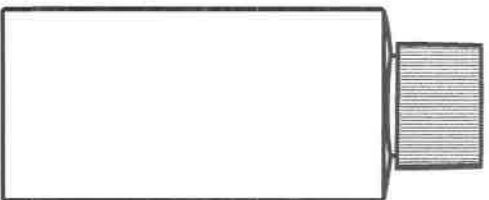
What happens when
liquids are mixed with
water?

Investigating Toothpaste

Is toothpaste solid or liquid?



1. Add water. How does the toothpaste look?



2. Shake it. How does the toothpaste look?



3. After a day, how does the toothpaste look?

Investigating Toothpaste

Is toothpaste solid or liquid?



1. Add water. How does the toothpaste look?



2. Shake it. How does the toothpaste look?



3. After a day, how does the toothpaste look?

Is toothpaste solid or
liquid?

Is toothpaste solid or
liquid?

Changing Properties

How do properties of materials
change when they are heated or cooled?

When it gets _____, a solid changes to
a liquid.

We say the solid _____.

When it gets _____, a liquid changes to
a solid.

We say the liquid _____.

Changing Properties

How do properties of materials
change when they are heated or cooled?

When it gets _____, a solid changes to
a liquid.

We say the solid _____.

When it gets _____, a liquid changes to
a solid.

We say the liquid _____.

How do properties of materials change when they are heated or cooled?

How do properties of materials change when they are heated or cooled?

What happens when you mix water with solid plant material collected outdoors?

What happens when you mix water with solid plant material collected outdoors?