

I have

False

Who has

The number of times water is reused on a dairy.

I have

6 times

Who has

The percent of a gallon of milk that is water.

I have

87%

Who has

Some ways water is recycled on a dairy.

I have

To cool milk tanks, to flush stalls, foot baths, to irrigate crops, etc.

Who has

The type of irrigation that floods the field with water.

I have

Flood Irrigation

Who has

The type of irrigation that waters the crops from above.

I have

Pivot Irrigation

Who has

The type of irrigation that brings water underground to the root of the plant.

I have

Subsurface Irrigation

Who has

What is done to fields to help water flow evenly across the field.

I have

Laser level

Who has

Where most of Arizona's irrigation water comes from.

I have

Colorado River

Who has

Three types of irrigation in Arizona.

I have

*Flood, Subsurface,
and Pivot Irrigation*

Who has

How Arizona
crops get water.

I have

Irrigation

Who has

The percentage of
Arizona water that is
used for agriculture.

I have

74%

Who has

True or False: Farmers
have to pay for the
water they use.

I have

True

Who has

The technology that
allows farmers to
know the moisture in
the soil.

I have

Soil Sensors

Who has

How water moves
through different
stages on Earth.

I have

The Water Cycle

Who has

This is when
water turns to
vapor.

I have

Evaporation

Who has

This is when water
falls from the sky.

I have

Precipitation

Who has

This is when gas
turns into liquid
water.

I have

Condensation

Who has

These are the forms
of precipitation.

I have

*Rain, sleet, snow
and hail*

Who has

A large concrete
structure funded by
farmers that helps store
water for irrigation.

I have

Hoover Dam

Who has

A period of time
with little
precipitation.

I have

A Drought

Who has

A climate that has
high temps and
low precipitation.

I have

A Desert Climate

Who has

The type of plants
farmers grow that
require less water.

I have

*Drought
Resistant Crops*

Who has

What plants and
animals do to
survive in the
desert.

I have

Adapt

Who has

Where desert cacti
store their water.

I have

The Stem

Who has

The 2 desert
climates found in
Arizona.

I have

*The Sonoran and
Mohave Deserts*

Who has

What allows
farmers to
conserve water.

I have

Technology

Who has

The crops that
have been bred for
drought tolerance.

I have

*Cotton, wheat,
field corn, and
alfalfa*

Who has

The type of water
that makes up 3%
of the earth's water.

I have

Freshwater

Who has

The places where
freshwater is
stored.

I have

*Rivers, lakes,
streams, glaciers,
and the ground.*

Who has

Something produce
farmers do to be sure
they are growing safe
food.

I have

Test the water

Who has

The number of gallons
of water a dairy cow
drinks in a day.

I have

30-50 gallons

Who has

True or False:
Farmers rely on
rain to water their
crops?

I have

Who has

I have

Who has

I have

Who has

I have

Who has

1. The number of times water is reused on a dairy. *6 times*
2. The number of gallons of water a dairy cow drinks in a day. *30-50 gallons*
3. The percent of a gallon of milk that is water? *87%*
4. Ways water is recycled on a dairy. *To cool milk tanks, to flush stalls, foot baths, to irrigate crops, etc*
5. The type of irrigation that floods the field with water. *Flood Irrigation*
6. The type of irrigation that waters the crops from above. *Pivot Irrigation*
7. The type of irrigation that brings water underground to the root of the plant. *Subsurface Irrigation*
8. What is done to fields to help water flow evenly across the field. *Laser level*
9. Where most of Arizona's irrigation water comes from. *Colorado River*
10. Three types of irrigation in Arizona. *Flood, Subsurface, and Pivot Irrigation*
11. How Arizona crops get water. *Irrigation*
12. The percentage of Arizona water that is used for agriculture. *74%*
13. True or False: farmers have to pay for the water they use. *True*
14. True or False: farmers rely on rain to water their crops? *False*
15. The technology that allows farmers to know the moisture in the soil. *Soil Sensors*
16. How water moves through different stages on Earth. *The Water Cycle*
17. This is when water turns to vapor. *Evaporation*
18. This is when water falls from the sky. *Precipitation*
19. This is when gas turns to liquid water. *Condensation*
20. These are the forms of precipitation. *Rain, sleet, and hail*
21. A large concrete structure funded by farmers that helps store water for irrigation. *Hoover Dam*
22. The type of plants farmers grow that require less water. *Drought Resistant Crops*
23. A period of time with little precipitation. *A Drought*
24. A climate that has high temps and low precipitation. *A Desert Climate*
25. What plants and animals do to survive in the desert. *Adapt*
26. Where desert cacti store their water. *The Stem*
27. The 2 desert climates found in Arizona. *The Sonoran and Mohave Deserts*
28. What allows farmers to conserve water. *Technology*
29. The crops that have been bred for drought tolerance. *Cotton, wheat, field corn, and alfalfa*
30. The type of water that makes up 3% of the earth's water. *Freshwater*
31. The places where freshwater is stored. *Rivers, lakes, streams, glaciers, and the ground*
32. Something produce farmers do to be sure they are growing safe food. *Test the water*

Presenter “I have...” Game Information

Question	Answer	Information to add to student game.
The number of times water is reused on a dairy.	<i>6 times</i>	Water is used for <ol style="list-style-type: none"> 1. cows to drink 2. cooling milk 3. misters to cool cows 4. cleaning equipment and milking parlor 5. washing manure out of the barn 6. watering crops
The number of gallons of water a dairy cow drinks in a day.	<i>30-50 gallons</i>	
The percent of a gallon of milk that is water?	<i>87%</i>	
Ways water is recycled on a dairy.	<i>To cool milk tanks, to flush stalls, foot baths, to irrigate crops, etc</i>	Water is used for <ol style="list-style-type: none"> 1. cows to drink 2. cooling milk 3. misters to cool cows 4. cleaning equipment and milking parlor 5. washing manure out of the barn watering crops
The type of irrigation that floods the field with water.	<i>Flood Irrigation</i>	
The type of irrigation that waters the crops from above.	<i>Pivot Irrigation</i>	This looks like a giant sprinkler system that can be moved across the field.
The type of irrigation that brings water underground to the root of the plant.	<i>Subsurface Irrigation</i>	This is also called drip irrigation. Many of us have it in our own yards.

What is done to fields to help water flow evenly across the field.	<i>Laser level</i>	
Where most of Arizona's irrigation water comes from.	<i>Colorado River</i>	The Colorado River provides water to over 40 million people and more than four million acres of farmland in Arizona, California, Nevada, Utah, New Mexico, Colorado and Wyoming, collectively known as the seven Colorado River Basin States.
Three types of irrigation in Arizona.	<i>Flood, Subsurface, and Pivot Irrigation</i>	
How Arizona crops get water.	<i>Irrigation</i>	
The percentage of Arizona water that is used for agriculture.	<i>74%</i>	In the winter, Arizona produces most of the leafy greens like lettuce and other vegetables for the entire U.S.
True or False: farmers have to pay for the water they use.	<i>True</i>	
The technology that allows farmers to know the moisture in the soil.	<i>Soil Sensors</i>	
How water moves through different stages on Earth.	<i>The Water Cycle</i>	
This is when water turns to vapor.	<i>Evaporation</i>	
This is when water falls from the sky.	<i>Precipitation</i>	Precipitation includes rain, sleet, snow, hail.
This is when gas turns to liquid water.	<i>Condensation</i>	Good example of condensation that students have seen is when water collects on the outside of an icy glass on a hot day.

These are the forms of precipitation.	<i>Rain, sleet, and hail</i>	
A large concrete structure funded by farmers that helps store water for irrigation.	<i>Hoover Dam</i>	<p>Built during the Great Depression, from 1931 to 1936.</p> <ul style="list-style-type: none"> • Makes Power: Water spins huge turbines to make electricity (hydro-power). • Stores Water: It holds back the Colorado River to create Lake Mead, a huge water supply. • Protects from Floods: It controls the river to prevent floods.
The type of plants farmers grow that require less water.	<i>Drought Resistant Crops</i>	<i>Examples of drought resistant crops grown in Arizona: Cotton, wheat, field corn, and alfalfa</i>
A period of time with little precipitation.	<i>A Drought</i>	
A climate that has high temps and low precipitation.	<i>A Desert Climate</i>	
What plants and animals do to survive in the desert.	<i>Adapt</i>	Adapting means to change yourself or something else to fit a new situation, place, or purpose helping you or things (or animals!) fit in and be successful in new environments.
Where desert cacti store their water.	<i>The Stem</i>	Picture a saguaro cactus. This structure is the STEM of the cactus and stores

		water for the plant to use between rain.
The 2 desert climates found in Arizona.	<i>The Sonoran and Mohave Deserts</i>	The Mohave Desert is in the northwestern part of Arizona and extends into California, Nevada and a little of Utah. The Sonoran Desert is in central and southern Arizona, California and northern Mexico. Phoenix and Tucson are in the Sonoran Desert.
What allows farmers to conserve water.	<i>Technology</i>	This technology includes things like soil sensors, drip irrigation and even the development of drought resistant crops.
The crops that have been bred for drought tolerance	<i>Cotton, wheat, field corn, and alfalfa</i>	
The type of water that makes up 3% of the earth's water.	<i>Freshwater</i>	
The places where freshwater is stored.	<i>Rivers, lakes, streams, glaciers, and the ground</i>	
Something produce farmers do to be sure they are growing safe food.	<i>Test the water</i>	They test for things like E. coli and other bacteria or contaminants.

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field corn, and
alfalfa*

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