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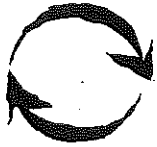
HOW OUR WORLD IS ALIKE AND DIFFERENT

Different Earth Cycles

Different Earth Cycles Review-A

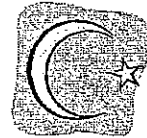
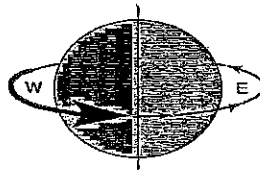
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Different Earth Cycles Study Guide



A cycle is a process that happens over and over again in a pattern.

The Earth spins on its **imaginary axis**. This spinning causes our **day and night**.



The sun can be seen in the daytime sky. Stars and the moon are seen in the night sky.

It takes 24 hours for the Earth to spin or **rotate** one time. There are 24 hours in one day.



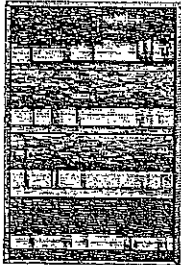
The **moon** has a cycle, too. It takes about a month for us to see the same shape of moon again.

HOW OUR WORLD IS ALIKE AND DIFFERENT

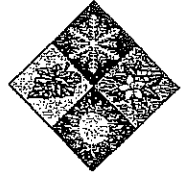
Different Earth Cycles

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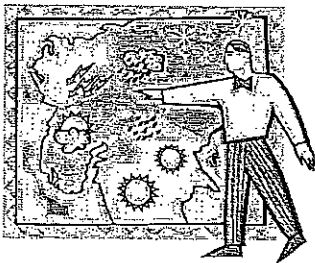
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The **changing seasons** is a cycle that happens every year over and over again. Each season lasts three months.



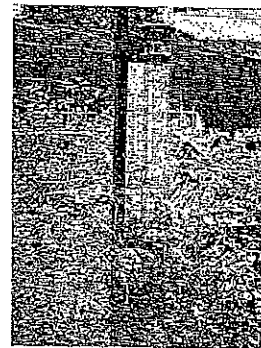
People need to observe and pay attention to the **weather** so they know



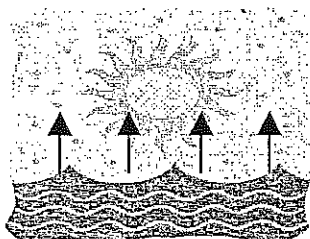
- how to dress to be comfortable
- what activities they can do.
- what kind of transportation to use

A **meteorologist** is a scientist that studies weather.

People use a **rain gauge** to collect and measure precipitation.



The Water Cycle

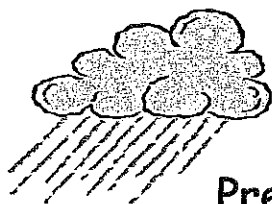


The water cycle includes a process called **evaporation**. During **evaporation**, water changes from a liquid to a gas. The water turns into a gas or water vapor and goes up into the air.



Another part of the water cycle is **condensation**.

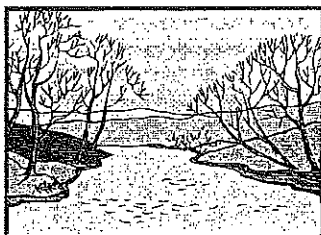
During **condensation** water vapor or gas changes to a liquid. Water vapor in the air gets cold (loses heat) and changes back into liquid, forming clouds.



Precipitation is part of the water cycle, too.

During **precipitation**, liquid water falls to the Earth's surface as rain, hail, sleet, or snow.

Precipitation happens when there is so much water in the air it cannot hold onto it anymore. The clouds get heavy and water falls back to Earth's surface as rain, hail, sleet or snow.



The water cycle also has **accumulation**. During **accumulation**, water from precipitation is collected in a river, lake, ocean, or underground.

When water **accumulates** on land, it soaks into the soil to be part of the "ground water". Plants and animals use water to drink.

Name _____ Date _____

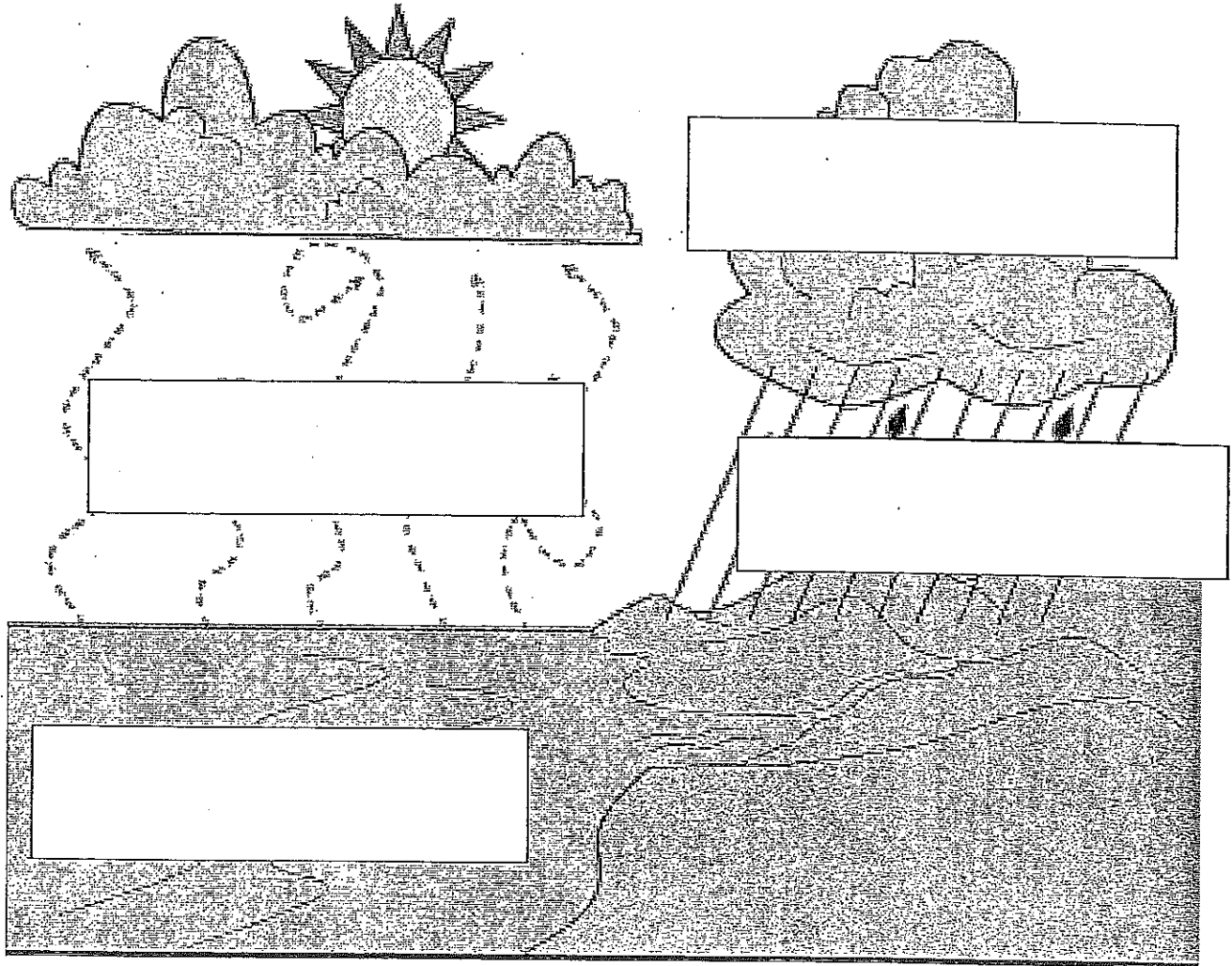
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Can you write the parts of the Water Cycle in the diagram?



Name _____ Date _____

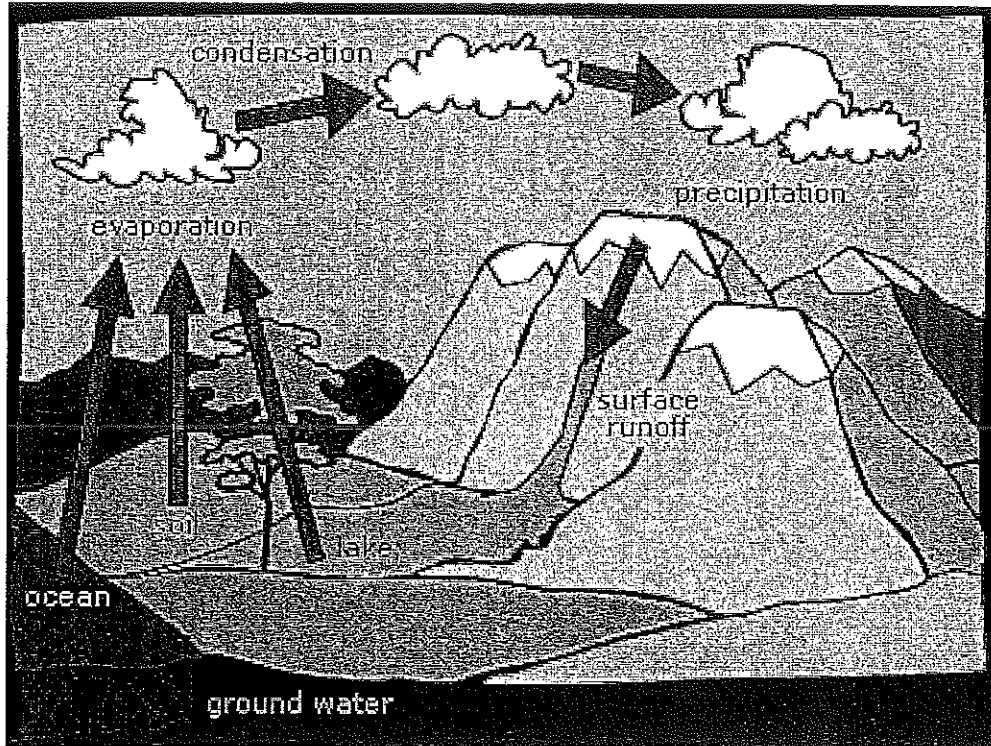
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Make sure you can draw a Water Cycle.



Clouds give us clues about the weather.



Stratus clouds are gray, low, clouds that stretch across the sky and usually mean rain or snow could occur.



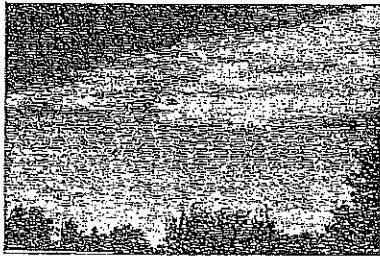
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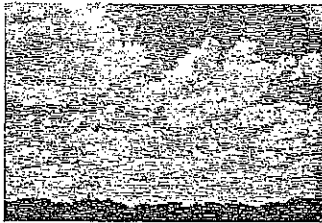
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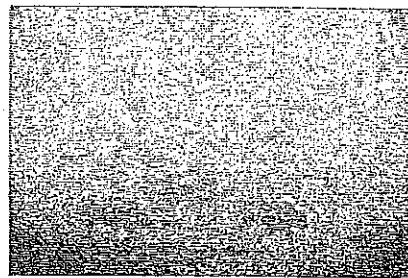


Cirrus clouds are feathery, thin, clouds found high in the sky; usually mean sunny weather.



Cumulus clouds are fluffy white clouds that look like cotton; usually seen in fair weather; if these clouds turn dark, it can mean thunderstorms are on their way

Fog is made of white or gray clouds that form low to the ground.



Name _____

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Different Earth Cycles Assessment Review	
What is a cycle?	
Describe the cycle of the seasons.	
Draw two pictures that show different ways the moon can look like in the sky.	
What is the water cycle? Draw a diagram to show how it works.	
What happens during evaporation?	

Name _____

Date _____

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2T4U2A09

List three types of precipitation.	
How is a rain gauge used?	
List one reason people need to observe the weather.	
Give an example of a change that happens in the water cycle.	
Which type of cloud(s) are likely to produce precipitation?	