

Science Learning Progression

The Water Cycle

Grade 6-8

Prerequisite skill:

Understands

- The term, "cycle"
- The interdependence of parts

Describe the evaporation process.

Success criteria:

I can...

- Define evaporation
- Observe the process of evaporation and explain what is happening.

Formative Assessment Technique/s:

- Arrange pictures in order
- Draw and label a diagram of the evaporation process
- Give real life examples of where the process can be seen

Demonstrate and explain condensation.

Success criteria:

I can...

- Define condensation
- Observe the process of condensation and explain what is happening

Formative Assessment Technique/s:

- Plan an investigation with other students to observe the process of condensation
- Arrange pictures in order
- Draw and label a diagram of the condensation process

Describe precipitation.

Success criteria:

I can...

- Define precipitation
- Observe the process of precipitation and explain what is happening

Formative Assessment Technique/s:

- Exit ticket
- Give real life examples of where the process can be seen
- Draw and label a diagram of the precipitation process

Explain how evaporation, condensation and precipitation work together to form the water cycle.

Success criteria:

I can...

- Describe how evaporation, condensation, and precipitation work together to form a cycle.

Formative Assessment Technique/s:

- 10 minute quick write/quick draw
- Short quiz

Create and label an accurate, complete, and organized diagram of the **water cycle**.

Success criteria:

I can...

- Construct a model of the water cycle by creating a picture showing each of the processes in the cycle.
- Label each of the processes in my picture

Formative Assessment Technique/s:

- Labeled model of the water cycle

In the water cycle, water evaporates from Earth's surface, rises and cools, condenses to form clouds and falls as rain or snow and collects in bodies of water.
6-8 ES2C

Extensions:

- Explain the rain shadow effect
- Create a relief model of the water cycle including the rain shadow effect