

S U M M A R I E S

INVESTIGATION 1: Exploring Weather

In Investigation One, you looked at the weather. During this Investigation, you:

1. recorded the daily weather.
2. looked at and touched warm water in a beaker.
3. looked at and touched ice cubes in a beaker.
4. used a flashlight to model the Sun during summer and winter.
5. learned how to use a compass

Through these experiments, you concluded that:

1. water can be warm during the summer.
2. water can be cold and frozen during the winter.
3. the Sun shines stronger on the Earth in the summer.
4. the Sun shines less strong on the Earth in the winter.
5. a compass can be used to find north, south, east, and west.

INVESTIGATION 2: Weather and Temperature

In Investigation Two, you explored temperature. During this Investigation, you:

1. recorded the daily weather.
2. used a thermometer to find the temperature inside and outside.
3. used a thermometer to find the temperature of warm water.
4. used a thermometer to find the temperature of ice water.
5. looked at a model of a clear day.
6. looked at a model of a cloudy day.

Through these experiments, you concluded that:

1. the temperature inside is different from the temperature outside.
2. summer has warm temperatures.
3. winter has cold temperatures.
4. summer has higher temperatures than winter.
5. more sunlight hits the Earth on a clear day.
6. less sunlight hits the Earth on a cloudy day.

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INVESTIGATION 3: Examining the Water Cycle

In Investigation Three, you discovered precipitation. During this Investigation, you:

1. recorded the daily weather.
2. used warm water, an ice cube, and a mirror to make rain.
3. used droppers to lightly rain on soil and grass.
4. used droppers to heavily rain on soil and grass.
5. rained on an uncovered gram bear.
6. rained on a gram bear that was covered.

Through these experiments, you concluded that:

1. when warm air and cold air meets, rain is formed.
2. a light rain gets soil and grass wet.
3. a heavy rain soaks soil and grass.
4. a heavy rain causes soil to move.
5. gram bear got wet without shelter.
6. gram bear did not get wet when he was under a shelter.

INVESTIGATION 4: Affects of Wind

In Investigation Four, you explored wind. During this Investigation, you:

1. recorded the daily weather.
2. used an anemometer to test wind speed.
3. used a compass to test where wind was coming from.
4. used straws to blow on three solid objects.
5. used straws to blow into a beaker of water.

Through these experiments, you concluded that:

1. wind blows at different speeds.
2. wind can blow from north, south, east, and west.
3. a light wind can move light objects.
4. a heavy wind can move light and heavy objects.
5. wind can make waves in water.
6. heavy winds make larger waves in water than light winds.

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INVESTIGATION 5: Protection from Weather

In Investigation Five, you explored natural selection. During this Investigation, you:

1. built a shelter for gram bear.
2. drew a picture of the shelter you built.
3. used droppers to rain on gram bear's shelter.
4. used straws to blow on gram bear's shelter.

Through these experiments, you concluded that:

1. if the shelter was built well, gram bear did not get wet.
2. if the shelter was not built well, gram bear got wet.
3. if the shelter was built well, it did not blow over in the wind.
4. if the shelter was not built well, it blew over in the wind.
5. living things need shelter to protect them from weather.