

Station Sign
Living Things

Living Things



Station Activity Cards

Living Things

ROUNDS 1 AND 2



Carbon becomes part
of a plant's leaves and stems.
Stay at ***Living Things***.



Carbon becomes part
of an animal's skeleton.
Stay at ***Living Things***.



Carbon in a plant is eaten by an animal.
Stay at ***Living Things***.



Carbon-based food is used by plants to
grow (respiration); carbon dioxide is released.
Go to ***Air***.



Carbon-based food is used by plants to
grow (respiration); carbon dioxide is released.
Go to ***Air***.



Carbon-based food is used by animals to
move, grow and reproduce (respiration);
carbon dioxide is released.
Go to ***Air***.



Carbon-based food is used by animals
to move, grow and reproduce (respiration);
carbon dioxide is released.
Go to ***Air***.



Carbon-based food is used by animals
to move, grow and reproduce (respiration);
carbon dioxide is released.
Go to ***Air***.

Station Activity Cards

Living Things

ROUNDS 1 AND 2



The plant or animal dies.

Go to **Soil**.



The plant or animal dies.

Go to **Soil**.



A plant dies and is buried by sediment.

Go to **Earth's Crust**.



A plant dies and is buried by sediment.

Go to **Earth's Crust**.

Station Sign Soil

Soil



Station Activity Cards

Soil

ROUNDS 1 AND 2



Carbon is in dead plant material that has not yet been decomposed by bacteria and fungi.
Stay at **Soil**.



Carbon is in dead plant material that has not yet been decomposed by bacteria and fungi.
Stay at **Soil**.



Carbon is in dead plant material that has not yet been decomposed by bacteria and fungi.
Stay at **Soil**.



Carbon is in dead plant material that has not yet been decomposed by bacteria and fungi.
Stay at **Soil**.



Carbon in dead plant is buried under layers of sediment.
Go to **Earth's Crust**.



Carbon in dead plant is buried under layers of sediment.
Go to **Earth's Crust**.



Carbon is swept into the ocean after a flood.
Go to **Ocean**.



Carbon becomes part of an animal decomposer's body.
Go to **Living Things**.

Station Activity Cards

Soil

ROUNDS 1 AND 2



Carbon is becomes part of
an animal decomposer's body.

Go to ***Living Things.***



Carbon in dead animal and plant
tissues is decomposed by bacteria and fungi
and is released as carbon dioxide.

Go to ***Air.***



Carbon in dead animal and plant
tissues is decomposed by bacteria and fungi
and is released as carbon dioxide.

Go to ***Air.***



Carbon in dead animal and plant
tissues is decomposed by bacteria and fungi
and is released as carbon dioxide.

Go to ***Air.***

Station Sign
Ocean

Ocean



Station Activity Cards

Ocean

ROUNDS 1 AND 2



Carbon mixes (dissolves) into the water.
Stay at ***Ocean***.



Carbon mixes (dissolves) into the water.
Stay at ***Ocean***.



Carbon from shells of dead
animals dissolves into the water.
Stay at ***Ocean***.



Carbon from shells of dead
animals dissolves into the water.
Stay at ***Ocean***.



Carbon is used by an animal
in the ocean to build a shell.
Go to ***Living Things***.



Carbon is used by a plant in the ocean.
Go to ***Living Things***.



Carbon stays as carbon dioxide in ocean water.
Stay at ***Ocean***.



Carbon in a coral reef
becomes part of ocean sediments.
Go to ***Earth's Crust***.

Station Activity Cards

Ocean

ROUNDS 1 AND 2



Carbon in a shell is discarded.
Sink to the bottom of the Ocean.

Go to **Earth's Crust.**



Carbon becomes part of tiny marine organisms.
They die and become part of sediments.

Go to **Earth's Crust.**



Wind and waves mix carbon out of the water.

Go to **Air.**



Wind and waves mix carbon out of the water.

Go to **Air.**

Station Sign Air

Air



Station Activity Cards

Air

ROUNDS 1 AND 2



1

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



1

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



1

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



1

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



1

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



1

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



1

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



1

Carbon as carbon dioxide stays in the air.

Stay at **Air**.

Station Activity Cards

Air

ROUNDS 1 AND 2



1

Carbon as carbon dioxide stays in the air.
Stay at **Air**.



1

Carbon as carbon dioxide stays in the air.
Stay at **Air**.



1

Wind mixes carbon into water.
Go to **Ocean**.



1

Wind mixes carbon into water.
Go to **Ocean**.

Station Activity Cards

Air/Human Effects

ROUNDS 1 AND 2



2

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



2

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



2

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



2

A plant takes in carbon dioxide through its leaves and creates food (photosynthesis) that is used by the plant to grow.

Go to **Living Things**.



2

Wind mixes carbon into water.

Go to **Ocean**.



2

Wind mixes carbon into water.

Go to **Ocean**.



2

Carbon as carbon dioxide stays in the air.

Stay at **Air**.



2

Carbon as carbon dioxide stays in the air.

Stay at **Air**.

Station Activity Cards

Air/Human Effects

ROUNDS 1 AND 2



2

Carbon as carbon dioxide stays in the air.

Stay at **Air**.



2

Carbon as carbon dioxide stays in the air.

Stay at **Air**.



2

Carbon as carbon dioxide stays in the air.

Stay at **Air**.



2

Carbon as carbon dioxide stays in the air.

Stay at **Air**.



Station Sign
Earth's Crust

Earth's Crust



Station Activity Cards

Earth's Crust

ROUNDS 1 AND 2



1

Carbon is locked away in
ocean sediments and will become rock.
Stay in ***Earth's Crust.***



1

Carbon is locked away in
ocean sediments and will become rock.
Stay in ***Earth's Crust.***



1

Carbon is locked away in ocean sediments.
Stay in ***Earth's Crust.***



1

Carbon is locked away as limestone rock.
Stay in ***Earth's Crust.***



1

Carbon is locked away as limestone rock.
Stay in ***Earth's Crust.***



1

Carbon is locked away as limestone rock.
Stay in ***Earth's Crust.***



1

Carbon is locked away as sedimentary rock.
Stay in the ***Earth's Crust.***



1

Carbon is locked away as sedimentary rock.
Stay in the ***Earth's Crust.***

Station Activity Cards

Earth's Crust

ROUNDS 1 AND 2



1

Carbon is locked away as chalk.
Stay in the ***Earth's Crust***.



1

Carbon is locked away as chalk.
Stay in the ***Earth's Crust***.



1

Carbon is locked away as oil and gas (fossil fuel).
Stay in the ***Earth's Crust***.



1

Carbon is locked away as oil and gas (fossil fuel).
Stay in the ***Earth's Crust***.

Station Activity Cards

Earth's Crust/ Human Effects

ROUNDS 1 AND 2



2

Carbon is locked away in
ocean sediments and will become rock.

Stay in ***Earth's Crust.***



2

Carbon is locked away in
ocean sediments and will become rock.

Stay in ***Earth's Crust.***



2

Carbon is locked away as chalk.
Stay in the ***Earth's Crust.***



2

Carbon is locked away as chalk.
Stay in the ***Earth's Crust.***



2

Carbon is locked away as limestone.
Stay in the ***Earth's Crust.***



2

Carbon is locked away as limestone.
Stay in the ***Earth's Crust.***



2

Carbon is locked away as sedimentary rock.
Stay in the ***Earth's Crust.***



2

Carbon is locked away as sedimentary rock.
Stay in the ***Earth's Crust.***



Station Activity Cards

Earth's Crust/ Human Effects

ROUNDS 1 AND 2



2

Carbon as a fossil fuel is piped as natural gas to heat homes, buildings, and water. Once used as a fuel, Carbon is released as carbon dioxide.

Go to **Air**.



2

Carbon as a fossil fuel is mined as coal and used to generate electricity. Once used as a fuel, Carbon is released as carbon dioxide.

Go to **Air**.



2

Carbon as a fossil fuel is dug up and used in cars, trucks, and airplanes. Once used as fuel, Carbon is released as carbon dioxide.

Go to **Air**.



2

Carbon as a fossil fuel is dug up and used in cars, trucks, and airplanes. Once used as fuel, Carbon is released as carbon dioxide.

Go to **Air**.



Station Activity Cards

Volcano Wild Cards

ROUNDS 1 AND 2



Carbon is released from the Earth's Crust as carbon dioxide gas from a volcanic eruption.

Go to **Air**.



Carbon is released from the Earth's Crust as carbon dioxide gas from a volcanic eruption.

Go to **Air**.



Carbon is released from the Earth's Crust by a volcanic eruption.

Go to **Air**.



Carbon is released from the Earth's Crust by a volcanic eruption.

Go to **Air**.



Carbon is released from the Earth's Crust by a methane vent at the bottom of the ocean.

Go to **Air**.



Carbon is released from the Earth's Crust by a methane vent at the bottom of the ocean.

Go to **Air**.



Carbon is released from the Earth's Crust as carbon dioxide by the flow of lava from a volcano eruption.

Go to **Air**.



Carbon is released from the Earth's Crust as carbon dioxide by the flow of lava from a volcano eruption.

Go to **Air**.



Station Activity Cards

Volcano Wild Cards

ROUNDS 1 AND 2



Carbon is released from the Earth's Crust as carbon dioxide gas from a volcanic eruption.

Go to **Air**.



Carbon is released from the Earth's Crust as carbon dioxide gas from a volcanic eruption.

Go to **Air**.



Carbon is released from the Earth's Crust by an underwater volcanic eruption in the Ocean.

Go to **Air**.



Carbon is released from the Earth's Crust by an underwater volcanic eruption in the Ocean.

Go to **Air**.

