Bacteria and Fungi

If you roll a	Process	End Form	Go to
1	You are carbon in the form of CO ₂ that has been given off by respiration in an ocean-dwelling fungus and enter the ocean by diffusion and stored as	Calcium Carbonate (sea shell)	Ocean
2	You are carbon in the form of CO ₂ that has been given off by respiration in an ocean-dwelling bacterium and enter the ocean by diffusion and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Ocean
3	You are carbon in the form of sugar that has entered the body of fungus by ingestion and stored as	Protein (cell wall)	Litter and Waste
4	You are carbon in the form of CO ₂ that has been given off by respiration in an ocean-dwelling fungus and enter the ocean by diffusion and stored as	Calcium carbonate (limestone)	Ocean
5	You are carbon in the form of glucose that has been <u>used by bacteria for energy</u> and enter the atmosphere by respiration and stored as	Carbon dioxide (CO ₂)	Atmosphere
6	You are carbon in the form of <u>protein in</u> <u>a bacteria cell wall</u> and are <u>excreted</u> <u>through a cow's digestive</u> tract and fall to the ground as	Animal waste	Litter and Waste

Fossil Fuel

If you roll a	Process	End Form	Go to
1	You are carbon in the form of oil that has leaked through a hole in an oil tanker and entered the ocean as an oil spill and stored as	Oil (Crude)	Ocean
2	You are carbon in the form of coal in an underwater coal deposit that has combined with oxygen in a chemical reaction and enter the ocean by diffusion and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Ocean
3	You are carbon in the form of an oil spill that has leaked through the hull of a tanker and enter a fungus by ingestion and stored as	Protein (cell wall)	Litter and Waste
4	You are carbon in the form of gasoline that was created in a factory Salt Lake City	Pollution (petroleum)	Industry and Vehicles
5	You are carbon in the form of CO ₂ that has been given off by diffusion from an underground coal deposit and enter the atmosphere by diffusion and stored as	Carbonic acid (H ₂ CO ₃)	Atmosphere
6	You are carbon in the form of <u>coal that</u> <u>just keeps getting buried</u> under more layers of sedimentary rock.	Coal (fossil fuel)	Stay Here

Litter and Waste

If you roll a	Process	End Form	Go to
1	You are carbon in the form of fish scales that have fallen to the ocean floor after the death of a fish and stored as	Calcium carbonate (limestone)	Ocean
2	You are carbon in the form of whale waste excreted by a whale's digestive tract and ingested by a hermit crab and stored as	Calcium carbonate (sea shell)	Ocean
3	You are carbon in the form of cow waste excreted by a cow's digestive tract and taken in by another cow through ingestion and excreted again and stored as that fertilizes the ground	Waste (organic)	Bacteria and Fungi
4	You are carbon in the form of <u>coal that</u> <u>has formed by the <i>burial</i> of dead ferns</u> in an ancient fern grove and stored as	Coal	Fossil Fuel
5	You are carbon in the form of CO ₂ that has been given off by rotting of dead leaves in a forest and stored as	Caron dioxide (CO ₂)	Atmosphere
6	You are carbon in the form of cellulose that has formed by the <i>metabolism</i> of nutrients from worm castings and stored as	Grass	Vegetation

Industry and Vehicles

If you roll a	Process	End Form	Go to
1	You are carbon in the form of oil that has <i>leaked</i> out of the engine of an old garbage truck and enter the ocean as <i>runoff</i> and stored as	Pollution (petroleum)	Ocean
2	You are carbon in the form of <u>coal and</u> <u>burned</u> to heat water and produce <u>steam</u> for the production of electricity. You enter the atmosphere and are stored as	Carbon dioxide, CO ₂	Atmosphere
3	You are carbon in the form of gasoline that was created in a factory Salt Lake City	Pollution (petroleum)	Stay Here
4	You are carbon in the form of oil that has <u>leaked</u> out of a cruise ship that has <u>capsized off the coast of Spain</u> . You enter the ocean as	Pollution (petroleum)	Ocean
5	You are carbon in the form of CO ₂ that has been given off by combustion from a power plant. You dissolve in water in the air and stored as	Carbonic acid (H ₂ CO ₃)	Atmosphere
6	You are carbon in the form of CO ₂ that has been given off by combustion in the cars of Los Angeles. You dissolve in water in the air and stored as	Carbonic acid (H ₂ CO ₃)	Atmosphere

Vegetation

If you roll a	Process	End Form	Go to
1	You are carbon in the form of sugar that has been <u>metabolized</u> and given off by <u>respiration</u> in a tree and enter the atmosphere and stored as	Carbon dioxide, CO ₂	Atmosphere
2	You are carbon in the form of CO ₂ that has been given off by respiration in an ocean-dwelling sea weed and enter the ocean by diffusion and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Ocean
3	You are carbon in the form of sugar that was created by photosynthesis in mulberry leaf that fell to the ground and stored as	Protein (cell wall)	Litter and Waste
4	You are carbon in the form of sugar that was eaten by a hippopotamus and stored as	glycogen	Animal
5	You are carbon in the form of glucose that has been formed by photosynthesis in the leaves of an ash tree. You have been converted to a gas and sent to the atmosphere by respiration and are stored as	Carbon dioxide (CO ₂)	Atmosphere
6	You are carbon in the form of <u>a rose</u> <u>petal that has died</u> and fallen to the <u>ground as organic waste</u> that fertilizes the ground	Organic waste	Bacteria and Fungi

Ocean

If you roll a	Process	End Form	Go to
1	You are carbon in the form of CO ₂ that combines with calcium ions in the ocean in a <u>chemical reaction</u> to form a <u>hermit crab shell</u> and stored as	Calcium Carbonate (sea shell)	Animal
2	You are carbon in the form of CO ₂ that has been given off by <i>respiration</i> in an ocean-dwelling sea weed and enter the ocean by <i>diffusion</i> and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Stay Here
3	You are carbon in the form of CO ₂ that leaves the ocean through diffusion, enters the atmosphere and is stored as	Carbon dioxide (CO ₂)	Atmosphere
4	You are carbon in the form of CO ₂ that has been given off by respiration in giant squid and enter the ocean and are stored as	Carbon dioxide, CO ₂ (dissolved gas)	Stay Here
5	You are carbon in the form of oil that has formed by the <u>burial</u> of dead algae that has sunk and built up on the ocean floor and buried by sediments and stored as	Oil	Fossil Fuel
6	You are carbon in the form of CO ₂ that has been <u>diffused</u> out of the ocean <u>because of a warming of the water</u> temperature and enter the atmosphere as	Carbon dioxide (CO ₂)	Atmosphere

Animal

If you roll a	Process	End Form	Go to
1	You are carbon in the form of sugar that has been <u>metabolized</u> and given off by <u>respiration</u> in grasshopper and enter the atmosphere and stored as	Carbon dioxide, CO ₂	Atmosphere
2	You are carbon in the form of CO ₂ that has been given off by respiration in a yellow tuna and enter the ocean by diffusion and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Ocean
3	You are carbon in the form of sugar that was <u>metabolized</u> in a cow and dropped to the ground by excretion and stored as	Organic waste	Litter and Waste
4	You are carbon in the form of CO ₂ that given off by respiration in a killer whale and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Ocean
5	You are carbon in the form of glucose that has been <u>eaten</u> by a Dixie Middle School student required to run the mile in PE. You have been <u>converted to a gas through respiration</u> , sent to the atmosphere and stored as	Carbon dioxide (CO ₂)	Atmosphere
6	You are carbon in the form of <u>dietary</u> <u>fiber excreted from a tall ox</u> in a field and enter the ground as	Organic waste	Litter and Waste

Atmosphere

If you roll a	Process	End Form	Go to
1	You are carbon in the form of CO ₂ that has chemically combined with water in the atmosphere to form	Carbonic Acid (H ₂ CO ₃)	Stay Here
2	You are carbon in the form of CO ₂ that has moved by diffusion into the ocean and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Ocean
3	You are carbon in the form of CO ₂ taken in by photosynthesis in a fern and stored as	Glucose (C ₆ H ₁₂ O ₆)	Vegetation
4	You are carbon in the form of CO ₂ that has moved by diffusion into the ocean and stored as	Carbon dioxide, CO ₂ (dissolved gas)	Ocean
5	You are carbon in the form of CO ₂ taken in by photosynthesis in an ash tree and stored as	Carbon dioxide (CO ₂)	Vegetation
6	You are carbon in the form of <u>dietary</u> fiber excreted from a tall ox in a field and enter the ground as	Organic waste	Ocean