

CO<sub>2</sub>

## Station Cards (1 of 2)

### Atmosphere

1. You continue to circulate through the atmosphere. **Stay at Atmosphere.**
2. You continue to circulate through the atmosphere. **Stay at Atmosphere.**
3. In a forest, a pine tree needle absorbs and uses carbon dioxide during [photosynthesis](#). **Go to Forest.**
4. In a forest, a pine tree needle absorbs and uses carbon dioxide during [photosynthesis](#). **Go to Forest.**
5. Near the East coast, you [dissolve](#) into the waters of the Atlantic Ocean. **Go to Surface Ocean.**
6. Near the East coast, you [dissolve](#) into the waters of the Atlantic Ocean. **Go to Surface Ocean.**

### Wood Products

1. The lumber where you are sequestered is used to build a house. **Stay at Wood Products.**
2. The lumber where you are sequestered is used to build a house. **Stay at Wood Products.**
3. After many years, the lumber gets thrown in a pile of old wood and begins to rot and [break down](#). **Go to Soil Carbon.**
4. You are [eaten](#) by termites. **Go to Animals.**
5. After many years, the lumber where you are sequestered gets [burned](#) for firewood. **Go to Atmosphere.**
6. After many years, the lumber where you are sequestered gets [burned](#) for firewood. **Go to Atmosphere.**

### Forest

1. Through [respiration](#), a tree uses your sugar molecule for energy. **Go to Atmosphere.**
2. The pinecone where you have been stored is [eaten](#) by an Eastern fox squirrel. **Go to Animals.**
3. You become [sequestered](#) in a tree's trunk. After several years, your tree gets cut down. **Go to Wood Products.**
4. You become [sequestered](#) in a tree's trunk. After several years, your tree gets cut down. **Go to Wood Products.**
5. You become [sequestered](#) in a tree root, which dies and decays. **Go to Soil Carbon.**
6. A fire moves through the forest and [burns](#) the tree where you have been stored. **Go to Atmosphere.**

### Surface Ocean

1. Through wave action, you mix with air and come out of the water—[leaving solution](#) as carbon dioxide gas. **Go to Atmosphere.**
2. Through wave action, you mix with air and come out of the water—[leaving solution](#) as carbon dioxide gas. **Go to Atmosphere.**
3. You continue mixing in water near the surface of the ocean. **Stay at Surface Ocean.**
4. Water currents and [ocean mixing](#) send you deeper within the ocean. **Go to Deep Ocean.**
5. An algae plant takes you in during [photosynthesis](#). **Go to Marine Life.**
6. An algae plant takes you in during [photosynthesis](#). **Go to Marine Life.**

# CO<sub>2</sub> Station Cards (2 of 2)

## Soil Carbon

1. As the organic matter decomposes, you become carbon dioxide through [soil respiration](#). **Go to Atmosphere.**
2. As the organic matter decomposes, you become carbon dioxide through [soil respiration](#). **Go to Atmosphere.**
3. An insect [eats](#) the rotting material where you are located. **Go to Animal.**
4. An insect [eats](#) the rotting material where you are located. **Go to Animal.**
5. You become buried in layers of leaf litter and soil. **Stay at Soil Carbon.**
6. You become buried in layers of leaf litter and soil. **Stay at Soil Carbon.**

## Deep Ocean

1. [Ocean mixing](#) and water currents send you toward the surface. **Go to Surface Ocean.**
2. [Ocean mixing](#) and water currents send you toward the surface. **Go to Surface Ocean.**
3. [Ocean mixing](#) and water currents send you toward the surface. **Go to Surface Ocean.**
4. [Ocean mixing](#) and water currents send you toward the surface. **Go to Surface Ocean.**
5. Water currents send you deeper within the ocean. **Stay at Deep Ocean.**
6. Water currents send you deeper within the ocean. **Stay at Deep Ocean.**

## Animals

1. A bird eats you for dinner. **Stay at Animal.**
2. You are stored in animal fat cells. **Stay at Animal.**
3. You get released as carbon dioxide during [respiration](#). **Go to Atmosphere.**
4. You get released as carbon dioxide during [respiration](#). **Go to Atmosphere.**
5. When the animal [produces waste](#), you find yourself on the forest floor in a pile of poop. **Go to Soil Carbon.**
6. The animal dies and begins to [break down](#) on the forest floor. **Go to Soil Carbon.**

## Marine Life

1. You are eaten by tiny marine animal, called zooplankton. **Stay at Marine Life.**
2. You are eaten by tiny marine animal, called zooplankton. **Stay at Marine Life.**
3. You are exhaled through [respiration](#). **Go to Surface Ocean.**
4. You are exhaled through [respiration](#). **Go to Surface Ocean.**
5. The organism you are part of dies. You [break down](#) and sink through the waters of the Atlantic Ocean. **Go to Deep Ocean.**
6. The organism you are part of dies. You [break down](#) and sink through the waters of the Atlantic Ocean. **Go to Deep Ocean.**