



## Key Term Fact Sheet

### 1. **Greenhouse Effect:**

The greenhouse effect is like a warm hug for our planet. But with too many greenhouse gases, like carbon dioxide from cars and factories, it's like getting too many hugs and feeling too hot. This makes Earth warmer, causing climate change.

### 2. **Ocean Acidification:**

Ocean acidification happens when too much carbon dioxide from the air goes into the ocean. It's like adding too much vinegar to water, making it sour and acidic. This makes it hard for coral reefs and shellfish to build their homes, which can hurt ocean life.

### 3. **Atmospheric Temperature:**

Atmospheric temperature is how hot or cold the air is around us. With climate change, the air gets warmer, like when you turn up the heat in your house. This can make some places hotter than usual and change how our weather feels.

### 4. **Weather Patterns:**

Weather patterns are like nature's routines, but with climate change, they can get a little mixed up. It's like if you usually wear shorts in the summer but suddenly need a sweater. Climate change can make weather patterns more unpredictable, bringing more extreme weather like heavy rain or strong winds.

### 5. **Storm Intensity:**

Storm intensity is how strong a storm, like a hurricane, can become. With climate change making the Earth warmer, some storms can get even stronger, bringing more rain, wind, and damage to places they hit.

### 6. **Coral Health:**

Coral health is how happy and strong coral reefs are in the ocean. But with climate change making the ocean warmer and more acidic, coral reefs can get sick. It's like if your garden got too hot and dry, your plants wouldn't be as healthy. Protecting coral reefs is important for keeping the ocean healthy too!

### 7. **Ocean Temperature:**

Ocean temperature is how warm or cool the water is in the ocean. Climate change is heating up the Earth, so the ocean gets warmer too. This can change where fish and other sea creatures live and make some areas too hot for them to survive.

### 8. **Sea Levels:**

Sea levels are like the height of the water in the ocean. With climate change melting ice from glaciers and ice caps, and making the ocean warmer, sea levels are rising. This can cause flooding in coastal areas, like when a bathtub overflows.



## 9. Energy Use:

Energy use is how we use power to do things like light up our homes, run our toys, or even cook our food. But some ways we get energy, like burning fossil fuels, create greenhouse gases that warm up the Earth.