

## Completed Positive and Negative Examples of Matter Cycling

What is it? (Describe it)	How is it an example of matter cycling?	Why is it negative or positive?
<b>Composting</b> is when humans save food waste (i.e., vegetable scraps, eggshells) or manure and once it has broken down, they use it to grow plants.	This is an example of matter cycling because the matter of food scraps decomposes into soil and that soil is then used to grow plants and new vegetables.	This is positive because it returns the nutrients to the ground and ecosystems and reduces the amount of waste that accumulates in landfills.
<b>Crop rotation</b> is the process where farmers change the crop that is grown in a particular area each season.	This is an example of matter cycling because it maintains the natural balance of the ecosystem.	This is positive because crop rotation protects the nutrients in the soil as different crops use different nutrients. Also, sometimes farmers leave land uncultivated for a season, which means no crops grow at all, to rebuild nutrients and improve crop growth.

## Completed Positive and Negative Examples of Matter Cycling

What is it? (Describe it)	How is it an example of matter cycling?	Why is it negative or positive?
<b>Worm bins</b> are an alternative to composting that involves allowing worms to break down material to produce compost.	This is an example of matter cycling because the worms break down the food scraps and other materials and add nutrients back to the soil and the soil is used to grow new plants or vegetables.	This is positive because it speeds up the process of composting, reduces food waste, and returns nutrients to the ground.
<b>Fertilizer</b> run off is when nutrients from fertilized soil run off farmland into nearby streams or rivers.	This is an example of cycling of matter because the nutrients go into the water and the water follows the water cycle with the nutrients in it.	This is negative because it causes a lot of algae which reduces oxygen levels and may threaten the life of animals.
<b>Bioaccumulation</b> is when substances build up in an animal as they pass through the food chain.	This is an example of cycling of matter because an animal would eat a plant containing pesticides and then pass these pesticides along to another animal who eats it.	This is negative because the level of pesticides slowly increases in their bodies as they eat more and then the predator ends up eating much more of the pesticides at once. This can cause death or poor health.