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Nitrogen Cycle

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| **Across****5.** A group of microbes changes what back into nitrogen gas (N2) or nitrous oxide (N2O)?**8.** The break down of the tissues of dead plants and animals is called what?**9.** What is something bright that changes nitrogen gas into a form useful to plants?**10.** Nitrogen gas (N2) must first be changed into ammonia (NH3). A diversity of bacteria have the proteins necessary to do this. This is called what?**11.** Ammonia needs to be changed into what and then nitrate (NO3–)?**12.** It can either be synthetic or natural and is important for plants to grow. What is it? | **Down****1.** Meat and eggs are common types of what?**2.** What type of plant has nitrogen-fixing bacteria in root nodules?**3.** The process of nitrifying bacteria bringing about the oxidation of ammonia (NH3) to nitrites (-NO2) and of nitrites to nitrates (-NO3) is called what?**4.** What needs to be changed into nitrite (NO2–) and then nitrate (NO3–)?**6.** Nitrogen gas (N2) must first be changed into ammonia (NH3). A diversity of what have the proteins necessary to do this?**7.** A group of nitrogen-fixing organisms is composed of special bacteria, which live symbiotically in nodules on the what of certain plants? |