

## Nitrogen Cycle Animations

**You MUST use Internet Explorer!** Go to Biologybynapiet.com, Ecology Unit page and find the link for Nitrogen Cycle. Or type in the following into Internet Explorer:

[https://www.classzone.com/books/ml\\_science\\_share/vis\\_sim/em05\\_pg20\\_nitrogen/em05\\_pg20\\_nitrogen.swf](https://www.classzone.com/books/ml_science_share/vis_sim/em05_pg20_nitrogen/em05_pg20_nitrogen.swf) **Open in Google then copy paste URL into Explorer.**

1. Can plants and animals use Nitrogen gas (N<sub>2</sub>)?
2. Lightening can “fix” nitrogen gas, what is nitrogen fixation?
3. How does nitrogen enter plants?
4. What organism “fixes” nitrogen gas?
5. Why is it important for bacteria to “fix” nitrogen?
6. How do animals get nitrogen?
7. When plants decompose, where does the nitrogen go?
8. How does Nitrogen gas return to the atmosphere?

**You MUST use Internet Explorer!** Find the link for Nitrogen Cycle 2. Or type in the following into Internet Explorer: Go to [http://www.pbslearningmedia.org/asset/lsp07\\_int\\_nitrogen/](http://www.pbslearningmedia.org/asset/lsp07_int_nitrogen/) Open in Google then copy paste URL into Explorer.

1. Read the Intro. ☺
2. Hit Play, then hit pause once the nitrogen gas goes to Nitrogen Fixation. What organism “fixes” nitrogen?
3. Explain the MUTUALISTIC relationship between bacteria and plants concerning Nitrogen.
4. What does bacteria do during ammonification?
5. What organism is responsible for nitrification?
6. What organism is responsible for denitrification?
7. What is assimilation?
8. How does nitrogen in living organisms return to the soil when they die?