THE NITROGEN CYCLE PICTURE

NAME _____ HR____

Using the picture we labelled in class, answer the following questions

1. How do animals get the nitrogen they need? _____
2. How is this different from how animals get carbon? _____
3. How does the nitrogen that gets locked up in animal bodies get out?

   1 _____

   2 _____
4. How do plants get the nitrogen they need? _____
5. How is this different from how plants get carbon? _____
6. How does the nitrogen that gets locked up in plants finally get out? _____
7. What are the 2 things that can get nitrogen out of the atmosphere?

   1 _____ 2 _____
8. What is the name of the process where atmospheric nitrogen (N_2) turns into ammonium (NH_3) a form that is somewhat useable for plants? _____
9. What is the name of the process where ammonium in the soil is transformed into nitrates (NO_2 or NO_3) an even *MORE* useable form for plants? _____
10. When animals and plants die, their nitrogen can be processed so that it can be reused by plants. What is this process called? _____
11. What organism performs the above process? _____
12. When animals and plants die, their nitrogen can be processed so that it returns to the atmosphere. What is this process called? _____
13. What organism performs the above process? _____
14. Animals breathe in Nitrogen with every breath since the atmosphere is 78% Nitrogen. Why doesn't the needed nitrogen just seep into their lung tissues so that it can be used? _____
15. What processes make nitrogen useable?

    1 _____ 2 _____
16. What process makes nitrogen unusable? _____