## Nitrogen Cycle Worksheet

1.	What is the largest reservoir that contains about $78\%$ of all $N_2$ ?
	(A) Bacteria (B) Atmosphere (C) Plants (D) Soil
2.	The process where $N_2$ molecules in the air break apart and combine with other atoms to form ammonia.
	<ul> <li>(A) Ammonification</li> <li>(B) Assimilation</li> <li>(C) Denitrification</li> <li>(D) Nitrification</li> <li>(E) Nitrogen Fixation</li> </ul>
3.	This type of nitrogen fixation occurs when energy from lightning breaks $N_2$ molecules apart and they combine with oxygen forming $N_2O$ .  (A) Atmospheric Fixation
	(B) Biological Fixation (C) Industrial Fixation
4.	Industrial fixation is the process of combining N <sub>2</sub> with H <sub>2</sub> to form
	(A) ammonia. (B) nitrates. (C) nitrites. (D) proteins.
5.	Returning nitrogen to the atmosphere by bacteria living deep in swampy sediments is the process of
	<ul> <li>(A) ammonification</li> <li>(B) assimilation</li> <li>(C) denitrification</li> <li>(D) nitrification</li> <li>(E) nitrogen fixation</li> </ul>

	(B) Biological Fixation (C) Industrial Fixation
7.	Nitrogen fixing by bacteria living in root nodules of plants is called a/an
	relationship.
	(A) asexual
	(A) ascertain (B) cyclical
(	(C) symbiotic
	(D) fraternal
	<ul> <li>(A) ammonification</li> <li>(B) assimilation</li> <li>(C) denitrification</li> <li>(D) nitrification</li> <li>(E) nitrogen fixation</li> </ul>
9.	Suggest a way that nitrogen from a farmer's field could end up in a lake.
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This form of nitrogen fixation is where most nitrogen "fixing" takes place.