**Septic Beds**

In this assignment you will research the many types of Septic systems. Living in a rural area, you, your friends or family will more than likely have a septic system on the property. These systems are for your wastewater from your toilets, sinks, showers, dishwasher and washing machine. In some homes, you may have 2 systems, one for your grey water, and one for your waste water.

Using the lesson and the internet, research 3 types of septic systems used today. Then complete the definitions and questions and for the following terms along with completing two diagrams of a typical system.

**Definitions:**

1. Septic System

2. Septic Tank

3. Distribution Box

4. Sewage

5. Fill Lines

6. Solids

7. Liquids

8. Septic Bed or Field

9. Permeability

10. Pasteboard or Crust

**Diagram 1:** Draw a neat diagram of what a septic Tank looks like when in use. Be sure to label the drawing.

**Questions**

1. Explain in simple terms how a typical septic system works:
2. List the main parts to a septic system:
3. What is organic waste:
4. What maintenance is required for a septic system:
5. What is the first step for installing a Septic System?
6. What effect do trees have on a septic bed?
7. What is the problem with installing a septic system with a clay soil?
8. How is the soil tested before installing the system?
9. What is a Secondary Septic System and why would it be required?
10. What are 3 reasons why a septic system would fail? What are the symptoms?

**Diagram 2:** provide a neat labeled drawing of a septic system included with the house, tank and bed. Be sure to describe elevations as the system will not work if it cannot flow properly.