

Soil Trivia

Level: Middle and High School Level

Time: 10 minutes

Corresponding Nutrients for Life education materials:

Nourishing the Planet in the 21st Century middle or high school curricula

Materials:

Activity Cards printed on cardstock or glued to index cards

Directions:

1. Mix up the cards and hand out to students
2. Choose a student to begin and have he/she read the bottom of the notecard question.
3. The student with the answer will read the answer and then the question on their card.
4. Continue until all the answers and questions have been read.
5. Mix and play again!

Notes:

This activity is a great way to introduce the curricula or to use as a review. Two sets of cards may be printed to use in to separate groups.

I have 17.

Who has the predicted population in 2050?

I have more than 9 billion people.

Who has the definition of environment?



Soil Trivia

Middle School & High School

It is all of the living and non-living things surrounding an organism.

Who has Norman Borlaug?

I have the man considered to be the father of the green revolution.

Who has diffusion?

I have the movement of a substance down its concentration gradient from a more-concentrated area to a less-concentrated area.

Who has xylem?

I have conducting tissue that transports water and dissolved nutrients in vascular plants?

Who has phloem?

I have a portion of the vascular system in plants, consisting of living cells arranged into tubes that transport sugar and other organic nutrients throughout the plant.

Who has the three main nutrients needed by a plant?

I have Nitrogen, Phosphorus and Potassium.

Who has how fertilizers should be applied?

Fertilizers should be applied in the right source, right rate, right time and right place.

Who has what will happen to a plant that is lacking nitrogen?

I have that the plant leaves will generally start to yellow and the plants may appear stunted and spindly.

Who has the right place?

I have the 4R concept that keeps nutrients where crops can use them.

Who has right time?

I have the 4R concept that makes nutrients available when crops need them.

Who has right source?

I have the 4R concept that matches amount of fertilizer type to the crop needs.

Who has right rate?

I have the 4R concept that matches fertilizer type to crop needs.

Who has nitrogen?

I have a nutrient that helps keep the plant healthy and green.

Who has the percentage of air in soil?

I have 50%.

Who has organic material?

It consists of materials from living and once living organisms.

Who has the number of essential nutrients that plants need to grow?