

Soil Trivia

Level: Elementary School

Time: 10 minutes

Corresponding Nutrients for Life education materials:

Nourishing the Planet in the 21st Century Elementary Curriculum

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 50% air space. Most soils are made up of 50% air.

Who has nitrogen?

I have nitrogen. Nitrogen helps keep the plant healthy and green.

Who has the plant parts that take in water and nutrients for the plant?



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I have Phosphorus. Phosphorus helps make the plant roots grow healthy and strong.

Who has nutrients?

I have nutrients. Nutrients are substances that plants and animals need to be healthy.

Who has Phosphorus?

I have Potassium. Potassium helps make the plant free of disease and keeps pests from eating it.

Who has the right rate?

I have right rate. The right rate matches the amount of fertilizer to the amount the crop needs to grow.

Who has Potassium?

I have right place. Having nutrients in the right place keeps nutrients where crops can use them.

Who has right source?

I have right source. The right source matches fertilizer type to crop needs.

Who has right time?

**I have environment.
It is all of the living and
non-living things surrounding
an organism.**

Who has organic material?

**I have organic material.
It consists of materials from
living or once living
organisms.**

**Who has the percentage of air
space in soil?**

**I have right time.
The right time makes nutri-
ents available when crops
need them most.**

Who has right place?

**I have fertilizer.
Fertilizer adds nutrients back
into the soil.**

**Who has how can people tell
how much nutrients are in the
soil or if fertilizers need to be
added?**

**I have soil.
Plants take nutrients from the
soil for growth.**

**Who has the product that can
add nutrients back into the
soil?**

**I have roots.
The roots transport the water
and nutrients to the plant.**

**Who has the three main
nutrients a plant needs to
grow?**

**I have Nitrogen, Phosphorus
and Potassium. These are the
three main nutrients a plant
needs to grow.**

**Who has where plants get
their nutrients?**

**I have soil tests.
Soil tests find out what
nutrients are in the soil and
what fertilizers need to be
added.**

**Who has the term for when a
seed first starts to sprout?**

**I have germination.
The seeds will grow into
young plants through the
process of germination when
given the right environment.**

**Who has the definition for
environment?**