



Nutrient Jeopardy

Use a poster board. Fold into thirds. Label 3 categories on the top: soil, nutrients, plants. Make 3 sets of cards with 10, 20, 30, 40, 50, 60, 70, 80, 90, 100. Place one set of cards under each category. Students will pick a question by category and the number is how much each questions is worth. If the student gets the question correct they keep the card. If they do not, another team(or student) can try to answer. At the end the team with the most points win. (Like the Jeopardy game show).

Categories

Soil

10---**Name something found in the soil** (insects, worms, nutrients, twigs, organic matter, living and non living items)

20---**True or False: Illinois has more than 700 types of soil** (True)

30—**Is soil a renewable or non renewable resource?** (non)

40— **Approximately what percentage of earth is soil?** (25%)

50—**What is the largest particle found in the soil: Sand silt or clay?** (Sand)

60-- **What is the smallest particle found in the soil: Sand, silt or clay?** (clay)

70— **How many years does it take to from one inch of soil?** (500)

80-- **What is our state soil name?** (Drummer soil)

90— **material from living or once living organisms ---** (organic matter)

100—**Ideally, what percentage of air and water is in soil?** (50%)

Nutrients

10—**True of false: Plants need nutrients** (true)

20—**Plants need 1, 2, or 3 MAIN nutrients to grow?** (3)

30— **What provides plants with nitrogen, phosphorus and potassium?** Soil (or fertilizer)

40--**What is added to the soil if it lacks nutrients?** (Fertilizer)

50— **Do all plants use the same amount of nitrogen to grow?** (no)

60—How does a farmer or gardener know how much nutrients to add? (soil test)

70—Do plants require less or more nutrients than humans? (less)

80— What nutrient deficiency causes yellow leaves? Nitrogen

90— What type of scientist studies soil? Agronomist

100—How many nutrients does a plant need to grow? (17)

Plants

10—Name one thing a plant needs to grow (sun, air, soil, water, nutrients)

20—Where do plants get nutrients needed to grow? (The soil)

30— Do plants grow best in sandy soil and why or why not? (No, sand does not hold water or nutrients)

40— How do plants take up nutrients and water? (Roots)

50— Name Illinois' two top crops---(Corn and Soybeans)

60— Name one type of root—(tap or fibrous)

70—What is the term for when a seed first starts to sprout—(Germination)

80— Name two things a seed needs to germinate (water and heat)

90— Plants need_____for photosynthesis to happen (sunlight)

100—What does photosynthesis give the plant? (energy)