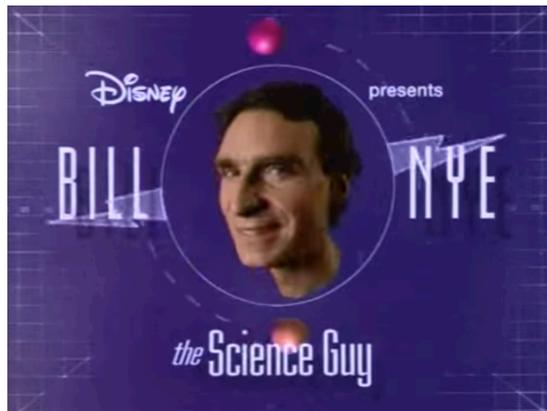




Unit B: Plants for Food and Fibre



Bill Nye Plants

1. Without plants there would be no animals on earth.
2. Plants make all the air we breathe and all the food we eat.
3. Plants take energy from the sun and make their own food in the form of sugar.
4. What forms when you burn sugar? caramel
5. What forms when you burn caramel? carbon
6. What makes the special liquid change colours? carbon dioxide
7. How do we make CO₂ gas? by breathing out
8. Plants take in carbon dioxide from the air, and give off oxygen.
9. What does photosynthesis mean? Making from sunlight
10. What green pigment is the key to photosynthesis? chlorophyll

Nifty Home Experiment

1. What were the bubbles the lettuce made?
oxygen
2. All living things depend on plants.
3. Plants make oxygen for us to breathe.
4. Where does water come from? From us or from rain.

Consider the following

1. What adaptations do plants like apple trees have to get water? They produce big apples.
2. What is the fruit used for? For animals to eat to spread their seeds.
3. Plants have tricks for moving their seeds around.
4. Dandelions use the wind.
5. Maple trees use helicopter seeds.
6. Fruit is the part of the plant where seed are growing.
Fruit is the amazing way that plants have adapted to living on earth.

Desert plant adaptations.

1. How do cacti store water? In the fleshy stems and pads.
2. What do cacti have to help to protect them from animals? spines or thorns
3. Poison oaks have an oil in them that will irritate your skin.
4. Plants use water, sunlight, and carbon dioxide gas to make oxygen gas for us to breathe.
5. Why doesn't kelp need roots? They float in the ocean.
6. If you burn yourself you can get oil from an aloe vera plant.
7. What plant can you use for a sore throat? Camomile

Way cool scientist

1. Why do plants in the forest have vines? They try climb up to the sun
2. What are medicinal plants used for? The treatment of disease
3. Most plants use light from the sun, water from the rain, and nutrients from the soil to make their own food.
4. An example of a plant that eats raw flies is a picture plant.
5. What digests the flies? juice of the plant
6. Describe how the Venus fly trap eats flies. dissolves the flies
7. What chemical in the atmosphere does this plant not get enough of from the soil? nitrogen

Experiment

1. Plants make a green pigment called chlorophyll to trap energy from the sunlight.
2. As the days get shorter the trees sense that and stop making chlorophyll.
3. Orange comes from karotene.
Why can't we see the other colors like orange? because the leaf makes chlorophyll.

