

Warm - Ups

Week 23

- Inclined Plane
- Equations for Work, Force, and Speed
- NASA is established to:
 - A. Oversee all US space missions, manned or unmanned
 - B. Oversee all air traffic control
 - C. Oversee small model spacecraft for kids
 - D. Over see all planes and helicopters
- Why do scientists make models?
 - A. It makes science fun
 - B. They are ALWAYS smaller than what they are representing
 - C. To study things and present information
 - D. All of the above

- **Vocabulary:**
 - Carbon cycle – the circulation of carbon atoms in the biosphere
 - Capillary action - cohesion and adhesion working together to make a liquid move UP a tube
- What part of a cell performs the chemical reaction “photosynthesis”?
 - Chloroplast
 - Cell Wall
 - Nucleus
 - Vacuole
- What best describes photosynthesis
 - A chemical change because it changes carbon dioxide into oxygen
 - A chemical change because it changes chlorophyll into carbon dioxide
 - A physical change because it changes gases into solids
 - A physical changes because it changes light into solids

- **Vocabulary:**

Compost – A mixture that consists of decayed organic matter and is used for fertilizing land

Consumer – An organism that has to eat other organisms in order to survive

- Which of these are produced during photosynthesis?

- Carbon dioxide and minerals

- Carbon dioxide and sugar

- Oxygen and minerals

- Oxygen and sugar

- What produces the most oxygen in Earth's atmosphere?

- Plants

- Bacteria

- Protists

- Animals

- **Vocabulary:**
 - Decomposer – an organism that breaks down the cells of dead plants and animals into simpler substances
 - Food chain – a chart that shows the transfer of energy from organism to organism
- Which of these is correct about photosynthesis?
 - It converts carbon dioxide into oxygen
 - It converts energy into waste
 - It converts sugar into waste
 - It converts light into chlorophyll
- Which of these cycles includes photosynthesis
 - Carbon cycle
 - Nitrogen cycle
 - Water cycle
 - Rock cycle

- 1) A man pushes an immovable car with a force of 87 N. How much force does the car exert on the man?
- a) 194 N
 - b) 87 N
 - c) 43.5 N
 - d) None of these
- 2) Which of the following is rounded to the tenths place?
- a) 98
 - b) 98.1
 - c) 98.12
 - d) 98.128
- 3) What makes up 21% of the atmosphere?
- A. Greenhouse Gases
 - B. Oxygen
 - C. Nitrogen
 - D. Carbon Dioxide
- 4) Which of these is not an inclined plane?
- a) A ramp
 - b) A slide
 - c) A wheelbarrow
 - d) A Pully
- 5) The more mass an object has, the _____
- a) More force is needed to move
 - b) Less force is needed to move
 - c) More acceleration is needed to move
 - d) Less Acceleration is needed to move