CHANGES IN PROPERTIES VIDEO

Focus Questions

- 1. What is matter?

 ANYTHING THAT HAS MISS I TAKES UP SPACE
- 2. What are atoms?

 SMALLEST WITCHE UNITE OF MATTER!
- 3. What are some different ways scientists describe matter?

 EY PHYSICAL L CHEMICAL PROPERTIES
- 4. What are some physical properties of matter?

 DENS (TY, STATE, CHANGE OF STATE TEMPERATURE, SOLUBILITY,
 MALLEABILITY, DUCTILATY, THERMAL CONDUCTIONTY, COLOR, ODOR, MASS, VOLUME
 5. What are some chemical properties of matter?

5. What are some chemical properties of matter?

FLANMASILITY, RADDACHUITI, REACTIONTY, ACIDITY

- 6. What is the difference between a physical change and a chemical change? <u>CHEMICAL</u> (HAUGE: THE CHEMICAL IDENTITY (TYPES OF ATOMS) (HAVOUS OF PHYSICAL PROPERTIES CHANGE TOO, IS NOT ROBERTIES PHYSICAL CHANGE: UNLY PHYSICAL PROPERTIES CHANGE. CAN BE PENEZSIZE
 - 7. How is an object's mass measured?
 - BALANCE (NOT A SCAME)
 - BY AMOUNT OF MATTER IN IT.
 - 8. What is the difference between volume and density?

 VOLUME: 3 DIMENSIONAL SPACE AN OCCUPIES

 BENSITY: MASS-VOLUME
 - 9. What are the phases of matter?

 ALSO CALLED STATES OF MATTER; SOLID, LIQUID, GAS, PLASA
 - 10. What is needed for matter to change phase?

 CHANGES IN TEMPERATURE (. AND OR PRESSURE)
- 11. How are solids, liquids and gases different from one another, in terms of their shape and volume?

STATE	SHAPE	VOLUME
SOUD	DEFINITE	PEPINITE
LIQUID	INDEPINITE	DEFINITE
GKS	THOEFAUTE	DOEPINITE

12. How is heat energy involved in changing the phase of water?
DUCREME HEAT; SOUTH > LIQ> GAS
OLIREME HEAT: GAS -> LIQ, -> SOUT
13. How are water molecules packed when they are in a liquid state? How are they packed when they are in a gaseous state? LIQ TIGHTY PACKED THAN GASEOUS
GMS - VERY FREE
14. What happens when a substance reaches its freezing point?
ATOMS STOP MOVING FROM PLACE TO PLACE - DEFINITE SHAPE FORMS
15. What happens when the boiling point of a substance is reached?
ATOMS MOVE FRENCY AWAY FROM EACH OTHER
16. What does it mean to say that the freezing point and the melting point of water are the same?
- IF WATER COOLS DOWN TO O'C, IT FREELES
- IF WATER HEARS UP to 0°C, IT MELTS
17. What does vaporization mean? Is vaporization a chemical change or a physical change?
- MEANS "TURNS TO VAPOR (GAS)"
PHUSICAL CHANGE- SUBSTANCE STILL MADE OF SAME TYPES OF ATOMS
18. How does evaporation occur?
- SLOWLY - BEZOW BOILING POINT
- PEN MOLECULUS KAYONS AT A TIME
19. What is sublimation? What is an example of a substance that sublimates?
- SUBSTANCE GOLS FROM SOUD DIRLCTLY TO GAS
- ICE CAN SUBLIMATE
- OPY ILE (FROZEN (O2) 20. How does condensation occur?

- GAS LOSER HEAT & TURNS TO LIQUID