

—8.1.2—

PHYSICAL

CHEMICAL

SHAPE

LUSTER

FUNCTION

SUBST

BOILING

MELTING

SMELL

TASTE

BOIL

TEXTURE

PROPERTIES

MATTER!

CHANGE

COLOUR
HARDNESS
OF

ESSENCE

STRUCTURE

DENSITY

CHARACTERISTICS

COMPOSITION

Patterns 8.1.3

Physical light

Shape

Color

Color

Texture

Numbers

Ripping Paper

Size

Chemical Ice melting

Fire

Fireworks

Cutting

Boiling

Apple

wood burning

water

Baking a cake

8.1.43

MAN-MADE
FIBERS

PLASTIC

PAPER

CREATED

SYNTHETIC

CHEMICALLY
PRODUCED

FUNCTIONS

NATURAL
NOT

REPRODUCED

MANMADE

FABRIC

RUBBER

COME FROM
NATURAL MATERIALS

MATERIAL
PRODUCTS

Temperature

liquid

Particle Motion

8.1.5

Density



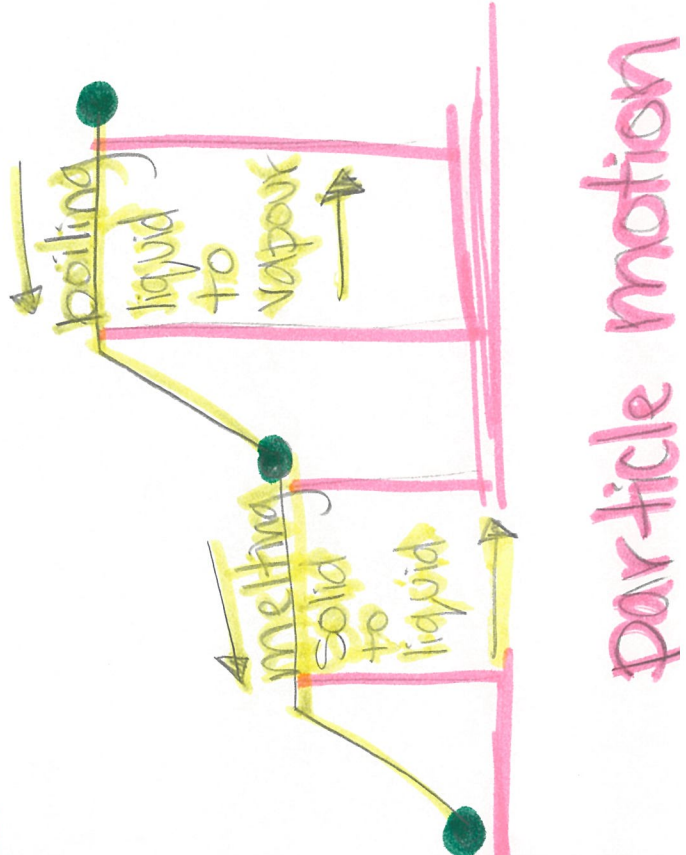
Cause and Effect

HEAT

SOLID

gas

CHANGES



particle motion

MODEL

REVERSE

Formula

ENERGY
ATOMS
light

Reactants
respiration



81.6



cellular



stays water

Photosynthesis

molecule
= $6CO_2 + 6H_2O$
= 81.6
= $6C_6H_{12}O_6$

SWAMP

Total

NUMBER

Plants

Glucose 8.3.1

Solar Power

Oxygen

Energy

Respiration

MATTER

Hydrogen

Carbon

Cells

Photosynthesis

Carbon

Dioxide

Sunlight

8.3.2

Carbon
Dioxide

Plants

Photosynthesis

Water

Product

Energy

Respiration

Glucose

Oxygen

Chemical
Energy

-ecosystem

-energy flow

-organisms

-symbiosis

-food chain

-chemical / physical

-environment

-food web

