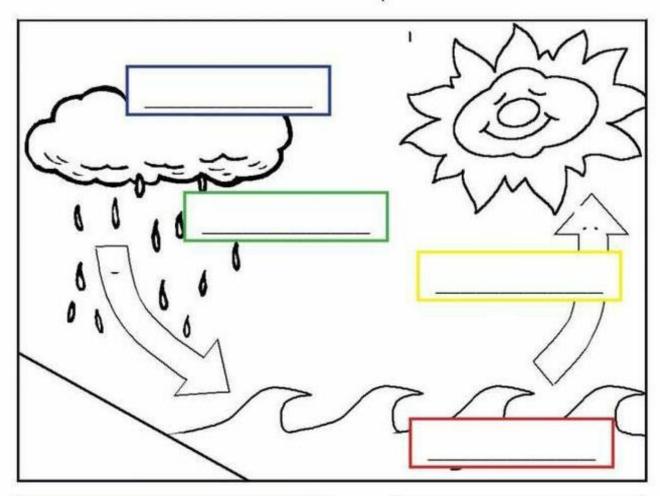
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#### SNBP's INTERNATIONAL SCHOOL, MANJRI.

Science Worksheet 1 – Class 7

## The Water Cycle



Water vapour in the air gets cold and changes into liquid, forming clouds.

Water falls from the sky as rain, hail, or snow.

Water flows into rivers, lakes and oceans.

The Sun's energy causes water to change into a gas.

Precipitation

Date: 23-Apr-2020

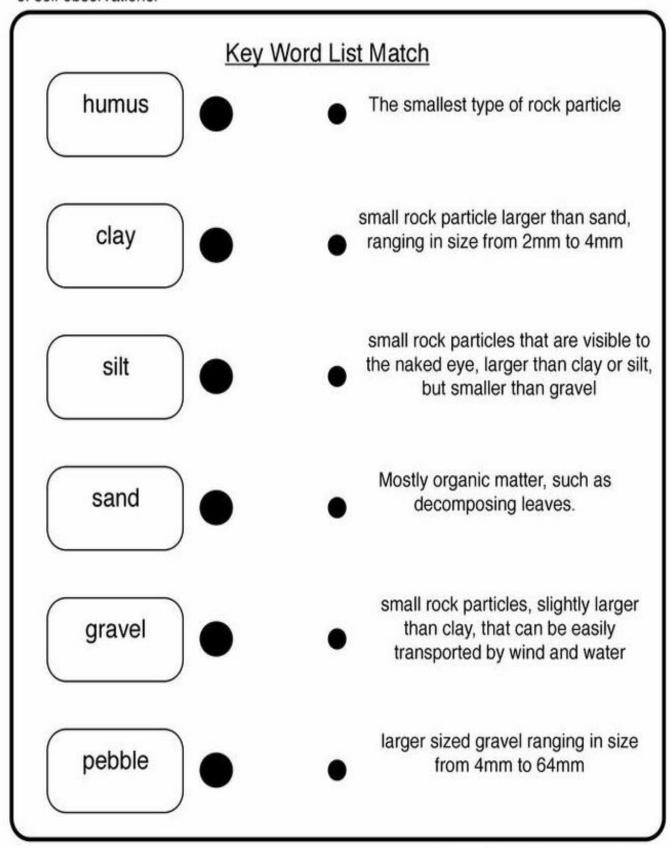
Condensation

Evaporation

Collection

## What is Soil?

**Directions:** Match the definitions to the key words. These can be used in your records of soil observations.



### Cell Riddles

All living things are made up of cells. Cells are small structures that contain all the biological parts necessary for an organism to live. Cells are made up of smaller structures, called organelles.

**Directions:** Read each cell riddle below. Decide which organelle the riddle describes, and write the name of that structure in the blank. Note that all possible answers are listed in the top box below.

cell wall	cell membrane	cytosol	nucleus	Golgi apparatus
nucleolus	chromosomes	central vacuole	ribosomes	endoplasmic reticulum
mitochondrion	chloroplasts	lysosome		

#### Riddle #1

I am the jelly-like fluid inside the cell. I provide an area of movement for all the dissolved molecules that keep the cell working. I am the

#### Riddle #2

I am found inside of the nucleus. I help produce ribosomes. I am the \_\_\_\_\_\_.

#### Riddle #3

I am a thin protective layer around the cell, but I am not one solid piece. I have tiny openings that allow materials to pass in and out of the cell. I am the \_\_\_\_\_\_.

#### Riddle #4

When a cell needs energy, I take in nutrients, break them down, and supply energy to the cell. I can also convert stored energy in the cell to food. I am a

#### Riddle #5

I am a large storage unit in the cell. I am very large in plant cells, and I store water, food, and wastes. I help support the plant. When I start to shrink due to a lack of water, the plant may wilt. I am the

#### Riddle #6

I am a food producer for plant cells. I absorb light energy from the sun and use it to convert carbon dioxide and water to sugar and oxygen. I am not found in animal cells. I am a

#### Riddle #7

I act like a digestive system in an animal cell. I contain enzymes that break down wastes and other materials. I am a

#### Riddle #8

We build proteins in the cell. We can be found in several places in the cell, including in the cytosol and on the endoplasmic reticulum. We are

#### Riddle #9

We direct the genetic information of the cell. We are made of DNA, and found in the nucleus, usually in pairs. We are the

#### Riddle #10

I am the "brain" of the cell, and I control all the activities of the cell. I am located in the cytosol, but you would not find me in prokaryotic cells. I am the \_\_\_\_\_\_.

#### Riddle #11

I am the cell's transport system. There are two types of me, rough and smooth. The rough type has ribosomes attached. I am the \_\_\_\_\_

#### Riddle #12

I am found only in plant cells. I am the outermost part of the plant cell. I am made of a specialized sugar called cellulose. I provide support and protection and give plants their shape, since they don't have bones. I am the

#### Riddle #13

I gather molecules and make them more complex. I store these molecules or send them into the cytosol or out of the cell. I process the proteins produced by the endoplasmic reticulum and ribosomes. I am the

# COOK M-DONALD BURLICUMO CO

## Lab Safety

When you perform an experiment at home or school, your first priority should be your safety and the safety of those around you. When you experiment at school, ALWAYS follow your teacher's or the book's instructions and NEVER try anything on your own without asking the teacher first.

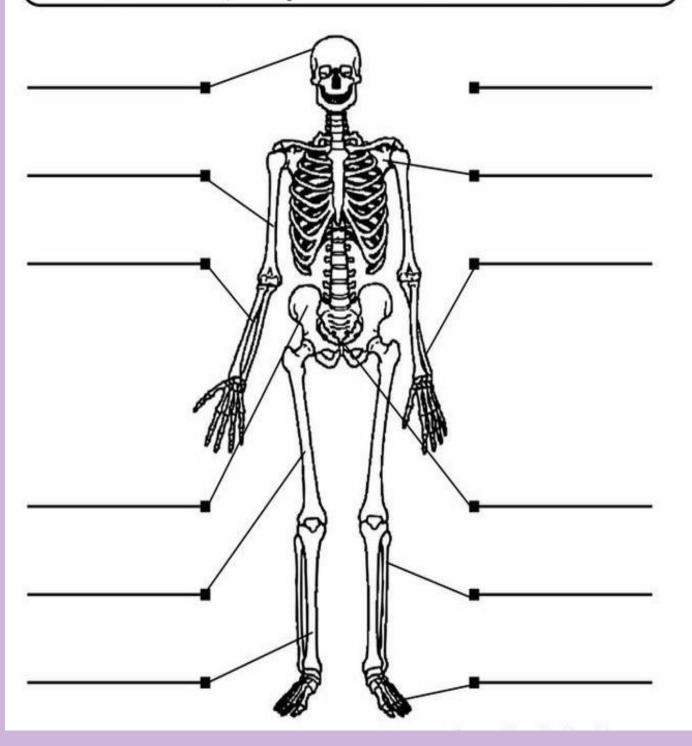
Complete each of the important safety tips below with a word or phrase from the box. Each word or phrase will only be used once.

lor as sa pla	ganized ng hair k questions fety goggles astic gloves o materials	flame clean up teacher broken glass unapproved	glassware directions eat or drink closed safety equipment	wash well-lit shoes live plants or animals heat-resistant gloves	cords taste sharp spill apron	
_		WOUR	hands before and after	an avnoriment		
					- <b>f</b> - dh e dh	
				k questions if you are unsure	of directions	
			and how to use	". <u>  [ ]   </u>		
5,			when working with nee that may hurt your e	ves =		
6.			, or smell any chemical.			
				oill does occur, clean it up in	nmediately	
		ross a		,	7	
			d push up sleeves.	4	1	
10.	Have an adult h	nandle	objects such a	s knives or blades.		
			and well-ventilated		10	
12.	Never heat liqui	ids in a	container.	जारि	7) 1	
	Always use the hot containers.	tongs, clamps, or _	wh	en moving		
14.	Never use broke	en or chipped		5	<b>*</b> ///	
15.	Dispose of	0	r other sharp objects in t	he proper container.		
16.	Notify the	im	mediately if you are cut,	burned, or otherwise hurt.		
17.		your work ar	ea when the experiment	is completed.		
18.	Return all	to	their proper location who	en the experiment is comple	eted.	
19.	Never perform (	insupervised or	expe	riments.		
20.	Wear an	to p	rotect yourself and your	clothes from chemicals.		
			when performing ex			
22.	Make sure appli	ances are working p	properly and keep	untangled and out of wa	alking paths	
				arm living creatures in an expe		
				if you		
	. Wear to protect your hands when handling live animals, plants, or chemical					
26.	Do not	while	completing an experime	nt.		

## **Skeletal System**

**Directions:** Label the parts of the skeleton.

skull fibula sternum radius coccyx ulna pelvis femur scapula phalanges tibia humerus



## Our Amazing Bones Fill in the blanks from the options given below

There are bones in a grown up skeleton. The largest bone in
our skeleton is called theand it is located on the upper part of
ourhave almost half of all of the
bones in our bodyare where the bones meet, our
allow us to move and bend. We have
inside of our bones. Theis what makes our blood. Our bones
keep growing until we are aboutyears old. Our rib bones are
Our rib bones are important, they form aand it protects our
, our Some people think we have a funny, we
don't really have a funny bone. When people knock their elbow and say
they've hit their funny bone, they have really hit a nerve that runs along the
bone. Ouris a very important bone because it
protects our We should take very good care of our bones by
and by making sure we drink lots of and eat
products.

#### Options:

humorous brain hands bone 206 rib c age liver skull dairy femur bone marrow (2) heart milk feet joints (2) lungs exercising 25 legs

From the words provided for each clue, provide the letter of the word which best matches the clue.

- 1. This type of energy keeps our watches and remote controls working.
  - A. battery B. solar C. gas D. oil
- 2. The energy in the core of an atom.
  - A. hydro B. nonrenewable C. nuclear D. solar
- 3. Wind energy is in this group.
  - A. fuel B. work C. renewable D. light
- 4. Generated by hydro.
  - A. work B. electricity C. hydro D. coal
- 5. A form of energy you can hear.
  - A. energy B. nonrenewable C. battery D. sound
- 6. Energy that is stored due to the position of it.
  - A. wind B. potential C. nuclear D. sound
- 7. Energy is the abiility to do this.
  - A. solar B. oil C. nuclear D. work
- 8. Energy provided by the sun.
  - A. solar B. hydro C. energy D. battery

