

Worksheet Number (1)

Grade & Section: 6th ()

Unit: 3

Student's Name: _____

Date: ____/____/____

Skill/Lesson: Classifying matter

Educational Outcomes:

1. Define physical properties.
2. Classify and describe matter according to their physical properties.
3. Identify: Texture, mass, elasticity, odor, melting point, hardness and magnetism of matter.

Activity 1: Hardness

Hardness is how hard or soft something is

Watch the following video then answer the following question

<https://www.youtube.com/watch?v=xZUGWzRpA-4>

Mineral Name	Hardness
Talc	1
Gypsum	2
Calcite	3
Fluorite	4
Apatite	5
Feldspar	6
Quartz	7
Topaz	8
Corundum	9
Diamond	10

Common Object	Hardness
Fingernail	2.5
Copper Penny	3
Iron Nail	4.5
Glass	5.5
Streak Plate	7

Q1. What is the hardest material in the previous table? **Diamond**

Q2. What is the hardness of Iron nail? **4.5**

Q3. Name two minerals on the Mohs scale that can scratch Topaz. **Corundum, Diamond**

Q4. Which mineral is harder, Topaz or Quartz? **Topaz**

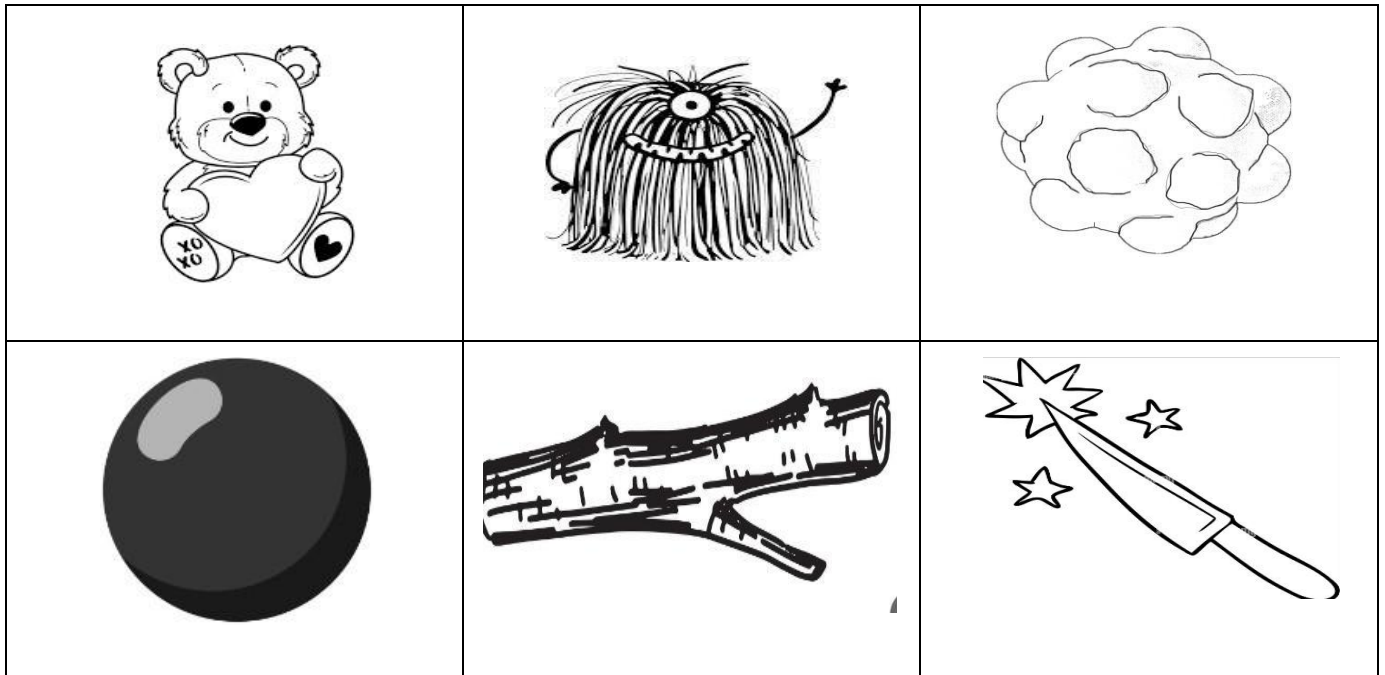
Activity 2: Texture

Texture is the feel or the appearance of the surface.

Words used to describe texture: (smooth, soft, hard, shiny or dull).

Question 1: Describe the texture of the following objects, use the words from the list




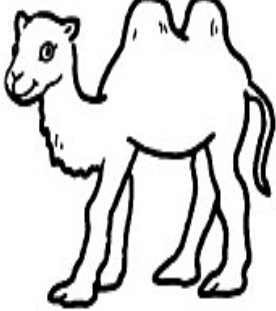
Hairy – smooth – sharp – bumpy – rough – fuzzy - soft



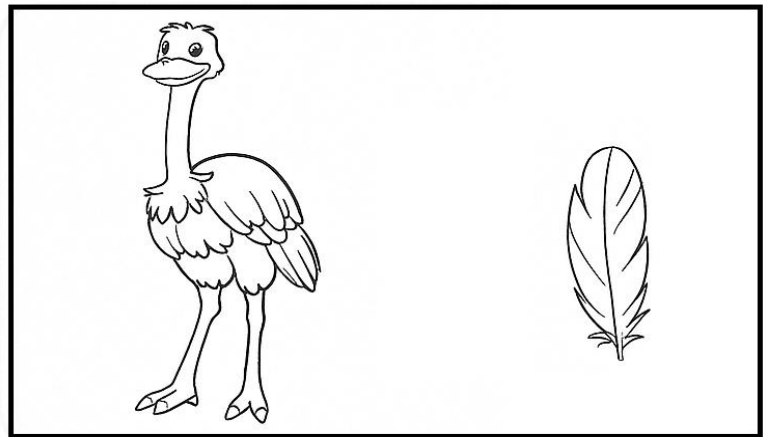
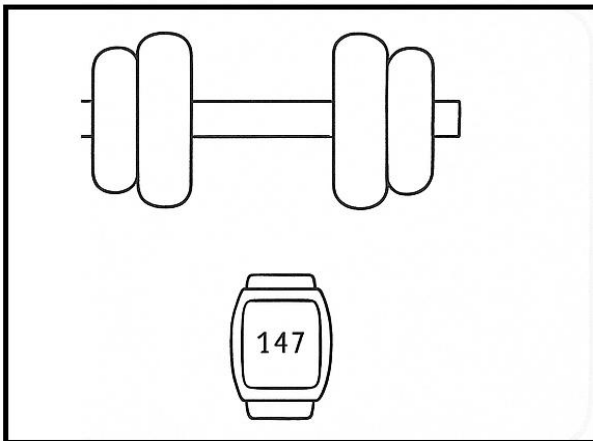
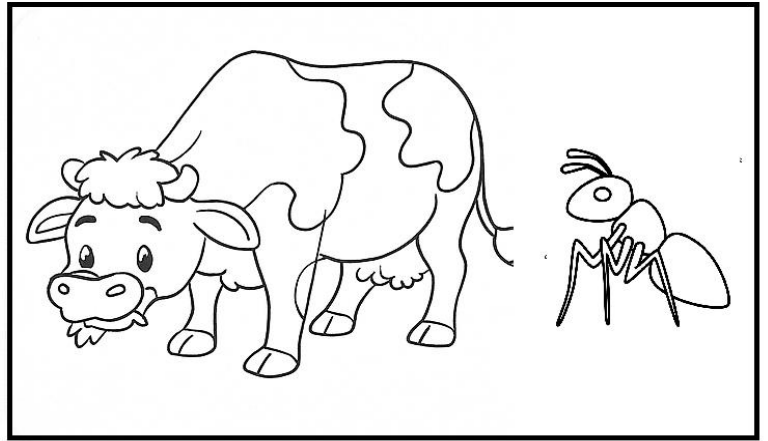
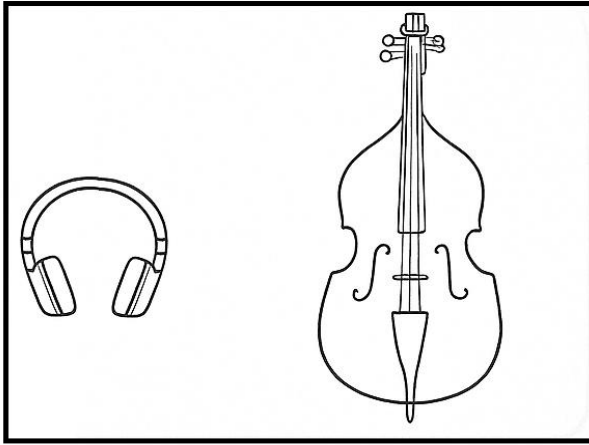
Activity 3: Mass

Mass: is how heavy something is

Question 1: Choose the best estimate for each object or animal shown.

- 
☒ 18 grams
4 kilograms
8 kilograms
- 
☒ 20 grams
☒ 500 grams
18 kilograms
- 
☒ 570 grams
7 kilograms
37 kilograms
- 
600 kilograms
☒ 60,000 kilograms
6,000 grams

Question 2: Classify the following into heavy or light.



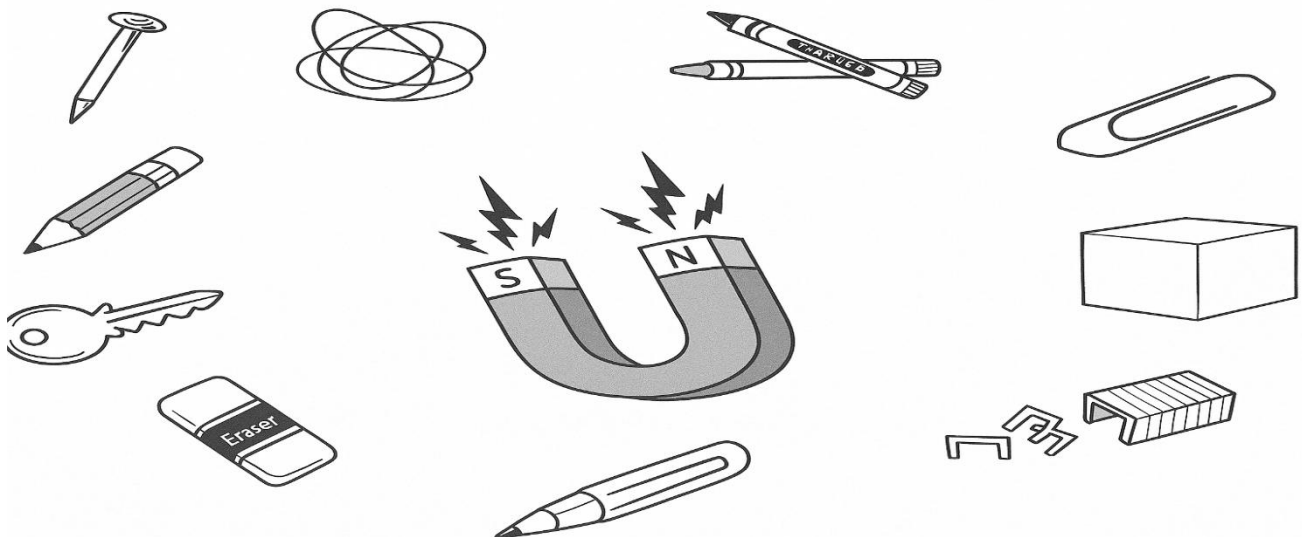
Activity 4: Magnetism

Magnetism is the ability to be attracted to magnet

Watch the following video then answer the following

<https://www.youtube.com/watch?v=yXCeuSiTOug>

Question 1 : Draw a line from the magnet to the things it will attract.



Activity 5: Elasticity

Elasticity is how much will stretch or bend before breaking

Question 1: identify the following as elastic or inelastic

Rubber band - wooden stick – trampoline - Spring metal – glass cup

Elastic	inelastic
Rubber Band	Wooden Stick
Trampoline	Glass cup
Spring Metal	

Activity 6: Melting point: is the temperature at which something melts

Q1: look at the next table and answer the following

Substance	Melting point
Ice / Water	0° C
Iron	1535° C
Gold	1063° C
Mercury	-39° C

Q1: What is the melting point of Iron?

Q2: What is the melting point of Ice?

Q3: which material has the lowest melting point?

Activity 7: Odour

Odour is the smell of something

Question 1 : describe the odour of the following

Sweet – rotten – sharp

