

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: HardnessHardness 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 and 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

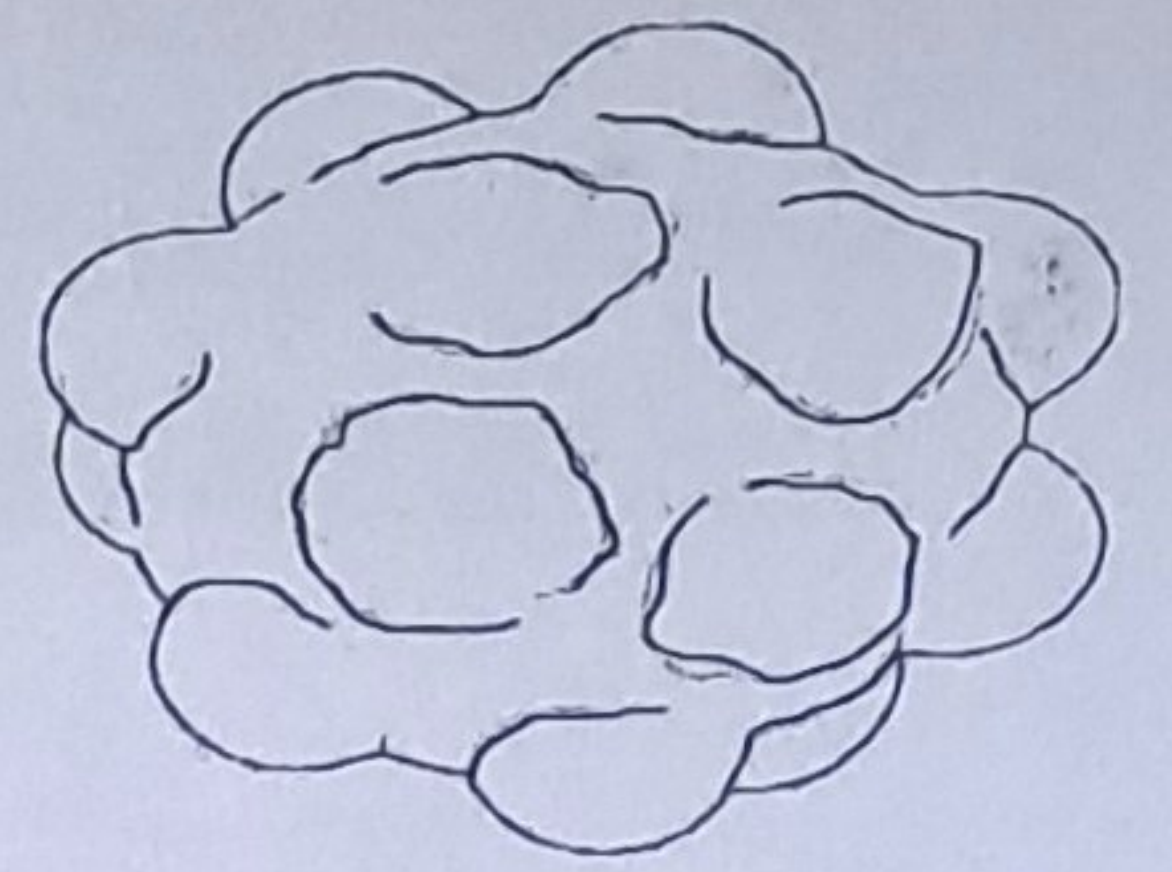
Hairy – smooth – sharp – bumpy – rough – fuzzy - soft



fuzzy and soft



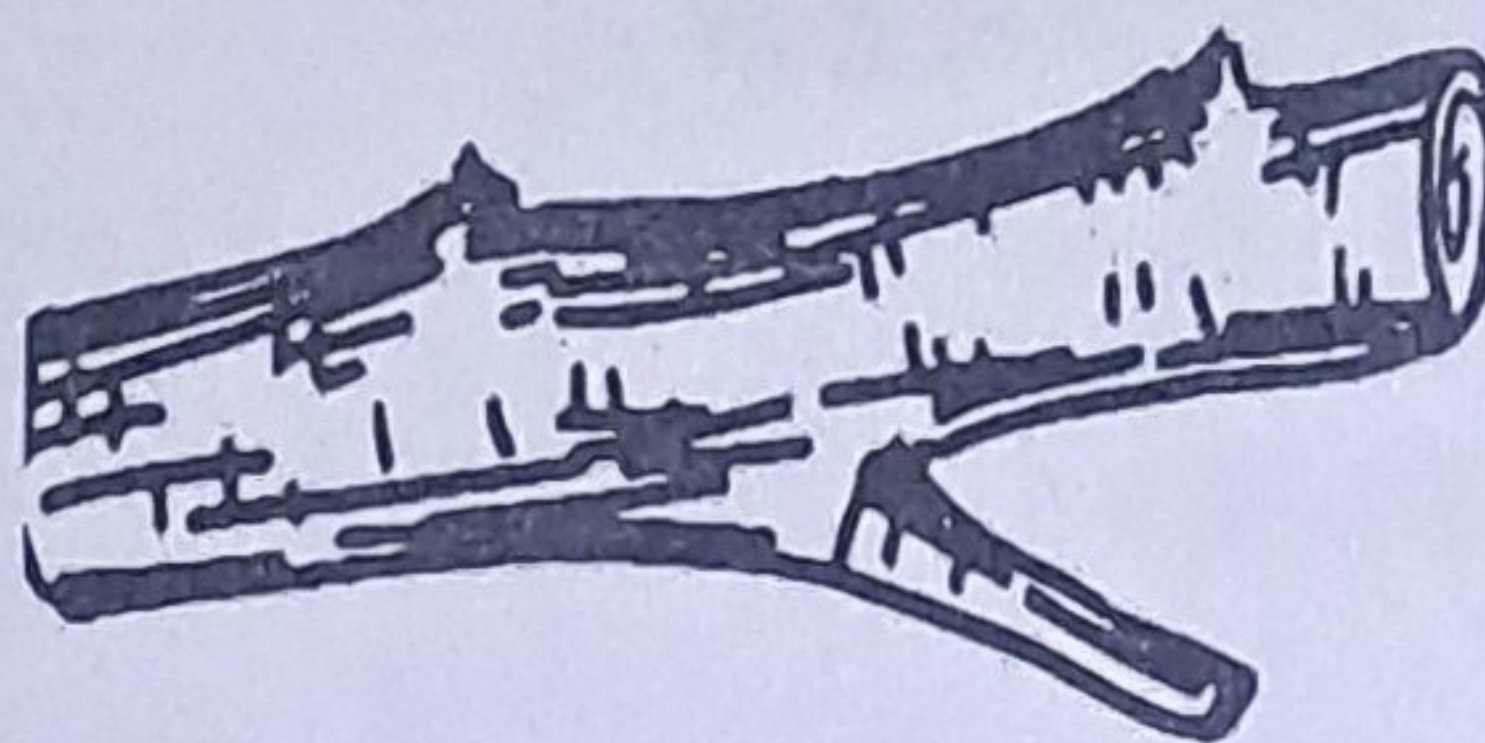
Hairy



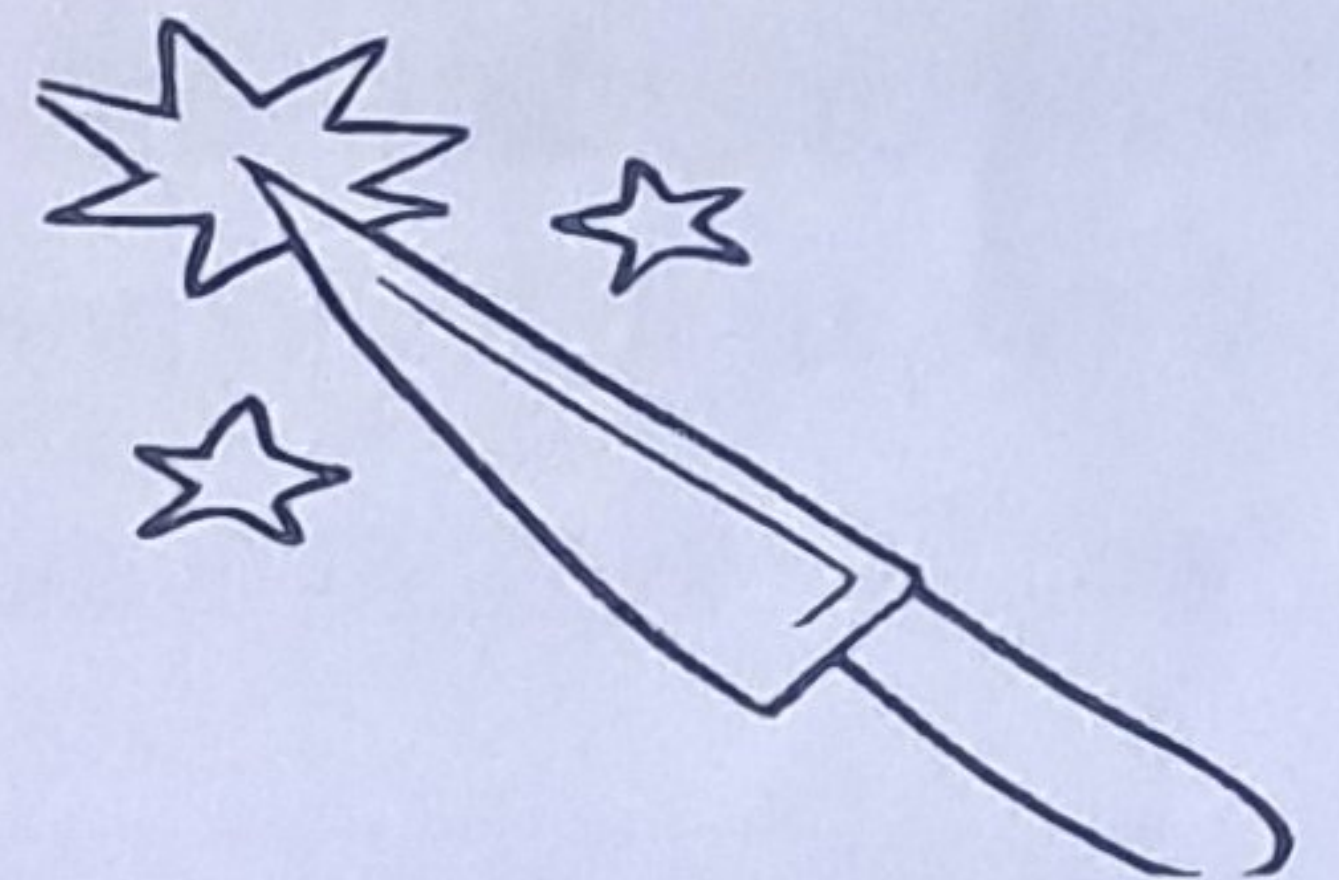
bumpy



Smooth



rough



Sharp

Activity 3: Mass

Mass: is how heavy something is

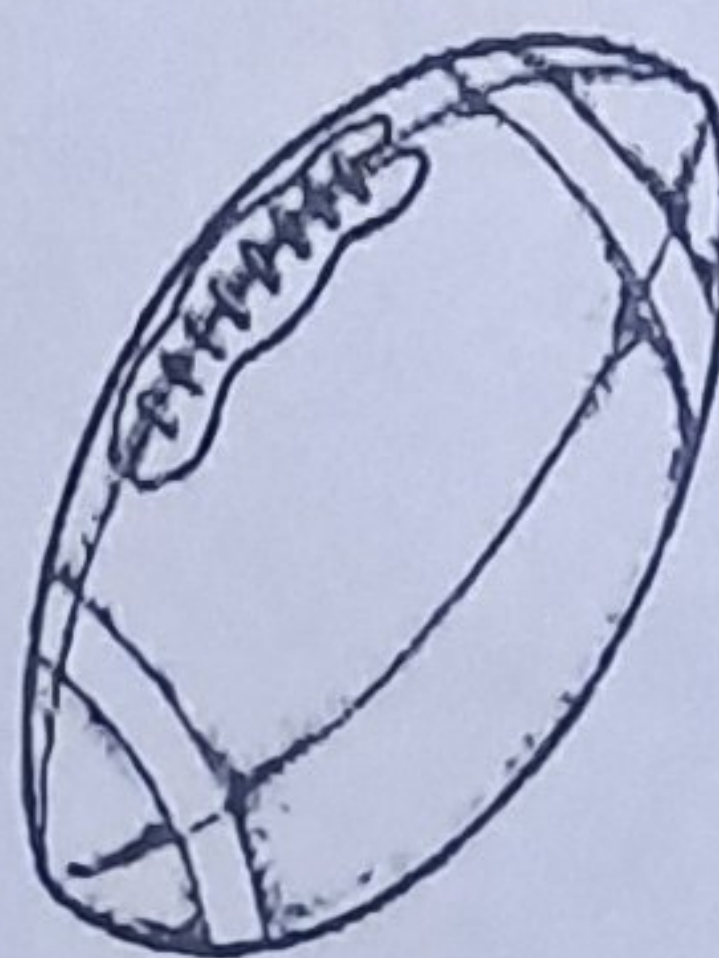
Question 1: Choose the best estimate for each object or animal shown.

1.



18 grams
4 kilograms
8 kilograms

2.



20 grams
500 grams
18 kilograms

3.



570 grams
7 kilograms
37 kilograms

4.



600 kilograms
60,000 kilograms
6,000 grams