

ANSWER KEY

NATURAL SCIENCE (UNIT 2) - REVIEW ACTIVITIES

Activity 1: Vocabulary Match

Word	Definition
Cell	c) The basic unit of life
Tissue	e) A group of similar cells working together
Organ	h) A structure made up of different tissues
Organ System	b) A group of organs working together
Nucleus	a) Controls the activities of the cell
Chloroplast	f) Makes food using sunlight
Cell Wall	d) Gives support and protection to plant cells
Cytoplasm	g) Jelly-like substance inside the cell

Activity 2: Complete the Notes

1. All living things are made of **cells**.
2. The basic unit of life is the **cell**.
3. Plant cells have a **cell wall** and **chloroplasts**.
4. **Animal** cells do not have chloroplasts.
5. A group of cells forms a **tissue**.
6. A group of tissues forms an **organ**.
7. A group of organs forms an **organ system**.
8. Bacteria are usually **unicellular** organisms.

Activity 3: Plant Cell vs Animal Cell

Structure	Answer
Nucleus	Both
Chloroplasts	Plant Cell Only
Cytoplasm	Both
Cell Membrane	Both
Cell Wall	Plant Cell Only

Activity 4: Spot the Mistakes

1. Plant cells have chloroplasts.
 2. A tissue is made up of cells.
 3. Bacteria are unicellular organisms.
 4. The nucleus controls the cell.
 5. Plants have cell walls.
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Activity 5: Unicellular or Multicellular?

Unicellular

- Salmonella
- Amoeba

Multicellular

- Human
- Oak tree

- Dog
- Mushroom
- Rose bush

Activity 6: Levels of Organisation

Correct Order

1 Cell

2 Tissue

3 Organ

4 Organ System

Examples

- Cell: muscle cell
- Tissue: muscle tissue
- Organ: stomach
- Organ System: digestive system

(Other correct examples are acceptable.)

Activity 7: The Five Kingdoms

Organism	Kingdom
Human	Animalia
Oak Tree	Plantae
Mushroom	Fungi
Amoeba	Protists

Salmonella	Monera
Dog	Animalia
Rose Bush	Plantae
Cow	Animal

Activity 8: Kingdom Detective

A. Plantae Kingdom

B. Fungi Kingdom

C. Monera Kingdom

D. Animalia Kingdom

E. Protists Kingdom

Activity 9: Plant Classification

Flowering Plants (Angiosperms)

- Rose Bush
- Sunflower
- Oak Tree

Non-Flowering Plants

- Pine Tree
- Fern
- Moss

Activity 10: Gymnosperms, Ferns or Mosses?

Plant	Group
Pine Tree	Gymnosperm
Moss	Moss
Fern	Fern

Challenge

Which group produces seeds?

☒ Gymnosperms

Which groups reproduce using spores?

☒ Ferns and Mosses

Activity 11: Flowering or Non-Flowering?

- Rose Bush → F
- Pine Tree → NF
- Sunflower → F
- Fern → NF
- Oak Tree → F
- Moss → NF

Extension

Angiosperms: Rose Bush, Sunflower, Oak Tree

Gymnosperms: Pine Tree

Ferns: Fern

Mosses: Moss

Activity 12: Mixed Classification Challenge

Organism A

☒ Angiosperm

Organism B

☒ Gymnosperm

Organism C

☒ Fern or Moss

Organism D

☒ Animal Kingdom

★ Teacher's Quick Checklist

Students should know:

- ☒ All living things are made of cells.
- ☒ Cell → Tissue → Organ → Organ System.
- ☒ Differences between plant and animal cells.
- ☒ Unicellular vs multicellular organisms.
- ☒ The Five Kingdoms:
 - Monera
 - Protists
 - Fungi
 - Plantae

- Animalia

✓ Plant Classification:

- Angiosperms (flowering plants)
- Gymnosperms (cones and seeds)
- Ferns (spores)
- Mosses (spores)

✓ Examples:

- Salmonella → Monera
- Amoeba → Protists
- Mushroom → Fungi
- Rose Bush → Plant (Angiosperm)
- Pine Tree → Plant (Gymnosperm)
- Human, Dog, Cow → Animalia Kingdom.