Riddles

- 1. Plant Growth and Nutrition
- I start as a seed, buried in earth,

With sunlight and water, I grow in my worth.

I reach for the sky, roots deep below,

What am I, thriving as I grow?

(Answer: Plant)

- 2. Photosynthesis
- I make food from sunlight, water, and air,

I'm the reason green leaves are there.

Oxygen I give and glucose I make,

What process am I, for the plant's sake?

(Answer: Photosynthesis)

- 3. Nitrogen Fixation
- I take from the air what plants cannot use,

With help from microbes, I change and fuse.

Into the soil, I provide what's key,

What am I that helps plants grow with glee?

(Answer: Nitrogen Fixation)

- 4. Digestive System
- I break down the food you eat,

Absorbing nutrients, I work so neat.

From mouth to stomach and beyond,

What system am I that keeps you strong?

(Answer: Digestive System)

5. Respiratory System

- I fill your lungs with what you need,

Oxygen I bring, with every breath indeed.

In and out, I never rest,

What system am I that passes the test?

(Answer: Respiratory System)

6. Circulatory System

- I carry life through vessels so fine,

With a pump at my core, I work by design.

Blood flows through me, reaching each cell,

What system am I, can you tell?

(Answer: Circulatory System)

7. Excretory System

- I filter your blood, removing waste,

Through kidneys and bladder, at a steady pace.

I keep your balance, I keep you clean,

What system am I, often unseen?

(Answer: Excretory System)

- 8. History of Microbes
- I'm so small you can't see me with your eyes,

Discovered in the past, a world of surprise.

From Pasteur to Koch, many have tried,

What am I, that in a lab, was first spied?

(Answer: Microbes)

- 9. Types of Microbes
- I can be good, I can be bad,

Bacteria, viruses, fungi l've had.

Some cause disease, some make you glad,

What am I, with a variety so rad?

(Answer: Types of Microbes)

- 10. Economic Importance of Microbes
- I make bread rise and help plants grow,

I clean up waste, but sometimes I sow woe.

In industry and health, I play my part,

What am I, essential from the start?

(Answer: Microbes)

Multiple-Choice Questions (MCQs)

1. Plant Growth and Nutrition

- Which of the following elements is essential for plant growth and is often a part of fertilizers?
a) Iron
b) Nitrogen
c) Gold
d) Helium
(Answer: b) Nitrogen
2. Photosynthesis
- What is the primary pigment in plants that captures sunlight for photosynthesis?
a) Hemoglobin
b) Chlorophyll
c) Carotene
d) Melanin
(Answer: b) Chlorophyll
3. Nitrogen Fixation
- Which type of organisms is primarily responsible for nitrogen fixation in the soil?
a) Fungi
b) Viruses
c) Bacteria
d) Algae
(Answer: c) Bacteria
4. Digestive System

- Where does the majority of nutrient absorption occur in the human digestive system?

a) Stomach
b) Large intestine
c) Small intestine
d) Esophagus
(Answer: c) Small intestine
5. Respiratory System
- What is the primary muscle involved in breathing?
a) Diaphragm
b) Heart
c) Stomach
d) Liver
(Answer: a) Diaphragm
6. Circulatory System
- Which blood vessel carries oxygenated blood from the lungs to the heart?
a) Aorta
b) Pulmonary artery
c) Pulmonary vein
d) Vena cava
(Answer: c) Pulmonary vein
7. Excretory System
- Which organ is primarily responsible for filtering blood and producing urine?
a) Liver

b) Pancreas
c) Kidney
d) Spleen
(Answer: c) Kidney
8. History of Microbes
- Who is considered the father of microbiology for his work with microorganisms?
a) Charles Darwin
b) Gregor Mendel
c) Louis Pasteur
d) Isaac Newton
(Answer: c) Louis Pasteur
9. Types of Microbes
- Which of the following is NOT a type of microbe?
a) Bacteria
b) Virus
c) Fungus
d) Chlorophyll
(Answer: d) Chlorophyll
10. Economic Importance of Microbes
- Which microorganism is commonly used in the production of antibiotics?
a) Algae
b) Protozoa

c) Fungi
d) Virus
(Answer: c) Fungi
Puzzle
Word Search - Animal Systems and Microbes
Create a word search puzzle that includes the following terms:
- Across:
- Digestive
- Respiratory
- Circulatory
- Excretory
- Microbes
- Photosynthesis
- Nitrogen Fixation
- Bacteria
- Fungi
- Virus