

Chapter 7

Importance of water

Class – 5

(20.07.20 to 24.07.20)

The background is a solid blue gradient. Overlaid on this are several white, stylized circuit board traces. These traces consist of straight lines of varying lengths and thicknesses, some ending in small open circles, resembling electronic components or wiring. They are positioned primarily along the left and right edges of the frame, with a few lines extending slightly into the central area.

Water is essential for the existence and survival of

- Plants
- Birds
- Animal
- Human beings

We drink only A
TINY AMOUNT
of the water that
is treated
for our use.

Here's how
we use it at
home:



IMPORTANCE OF WATER FOR ANIMALS



- ☐ All animals drink water. This helps them in digesting their food.
- ☐ The nutrients present in food get dissolved in water and this helps their bodies to absorb the nutrients.
- ☐ The animal body also produces waste materials. Some of these wastes get dissolved and are excreted in the form of urine and sweat.

Aquatic animals

Animals living in water are called aquatic animals

STINGRAY



SEAL



WHALE



SEA HORSE



SQUID



SHELL



SHRIMP



CRAB



STARFISH



SHARK

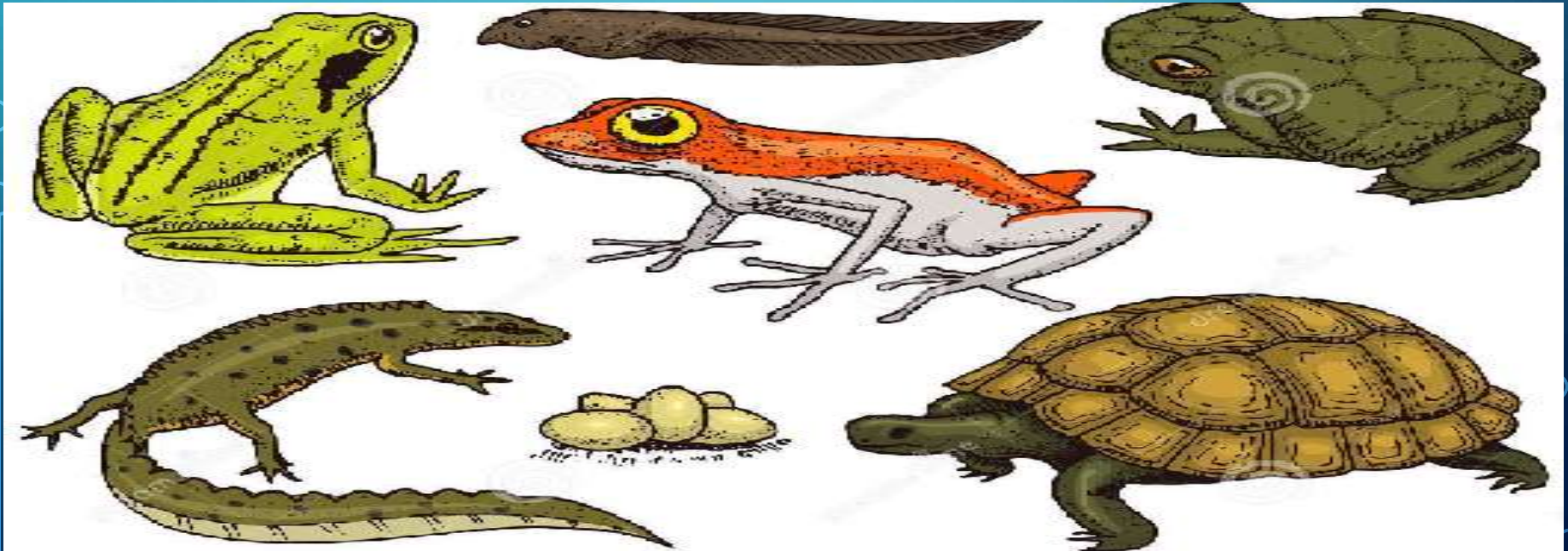


DOLPHIN



Amphibious animals

Animals that can live both in water and land are called amphibious animals



IMPORTANCE OF WATER FOR PLANTS

- ❑ Plants require various nutrients for their proper growth.
- ❑ These nutrients get dissolved in water present in the soil.
- ❑ Plants absorb water from the soil with the help of their roots.
- ❑ This water, then, transports these nutrients to various parts of the plant.
- ❑ Plants also use water for preparing their own food by the process of photosynthesis.
- ❑ Plants require water for germination of seeds.

Aquatic plants

Plants which grow in water bodies are called aquatic plants



NYMPHAEA



WATER LILLY



LOTUS / NELUMBO



VALLISNERIA



TRAPA



HYDRILLA

Water availability in nature

About 97% of water is present in seas and oceans and remaining 3% present in rivers, ponds, lakes, streams and glaciers.

Ground Water

A small part of water, from earth's surface, seeps into the ground and gets trapped between underground rocks.

Ways of drawing out ground water

stepwell

A stepwell is a
well having
steps on all the
sides



water wheel or *Rehat*



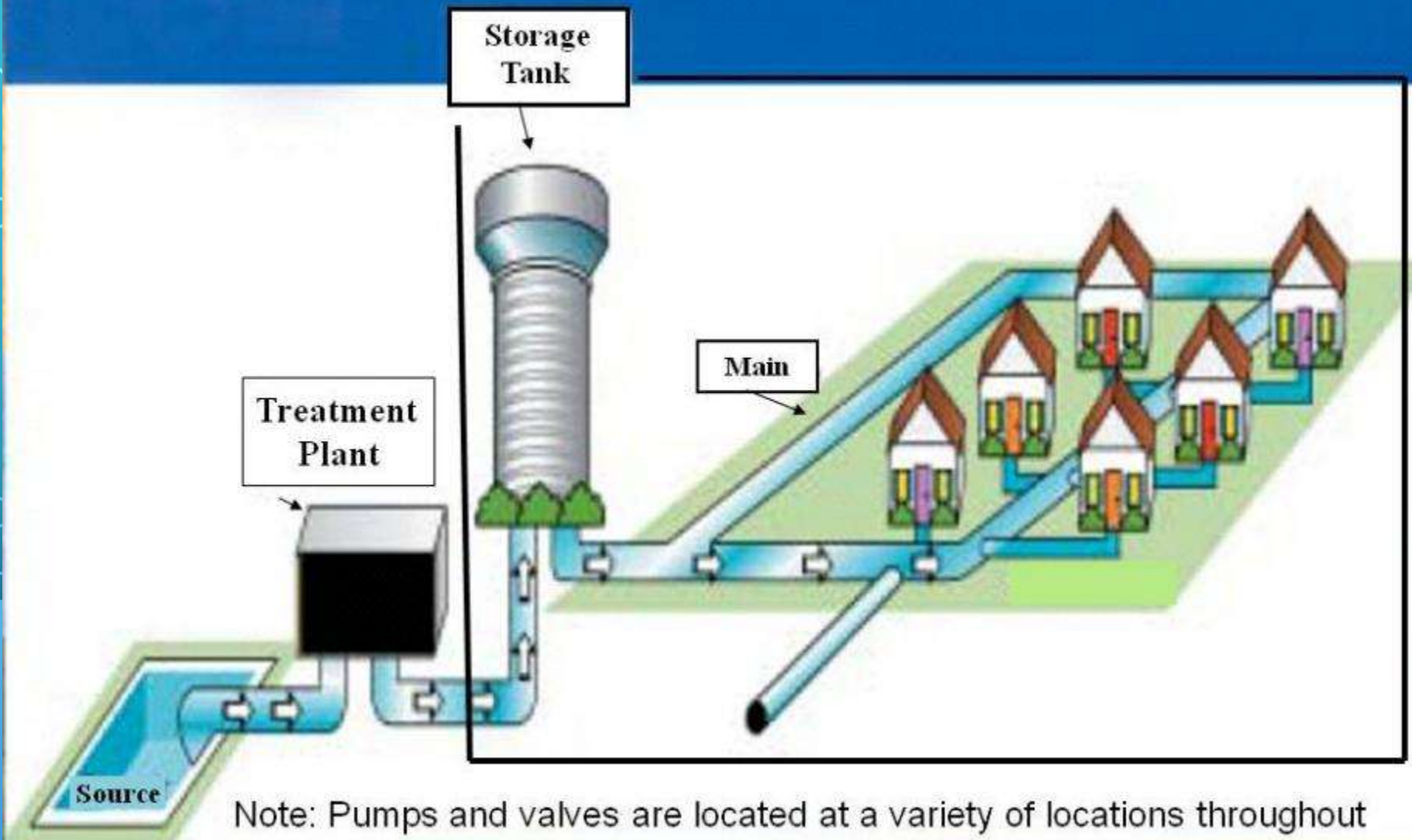
A Well



Water Supply

Purified river or ground water sent to homes and offices through a network of pumps and pipes.

Water Supply Distribution System



Note: Pumps and valves are located at a variety of locations throughout the distribution system.

The background is a solid blue gradient. In the corners, there are white line-art illustrations of circuit boards or neural networks, consisting of lines and small circles.

THANKS