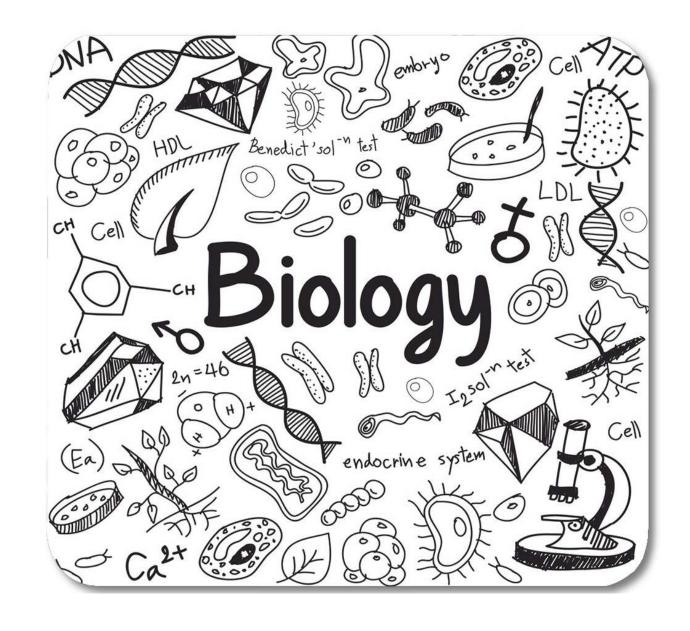


#### **Deficiency diseases.**

Scholastic Year: 2022-2023

Grade: 7CS



Objective: Recall some of the main role of specific vitamins and minerals.

Resources:

Book page 99.

Work book page 45

Study sheet: **Nutrient Deficiency** 

Deficiency means lack of.

# Watch the video to understand the meaning of deficiency of some nutrients:

https://www.youtube.com/watch?v=WdcD9LsDiPY

https://www.youtube.com/watch?v=uqrjOS2xYrQ

A deficiency disease is a disease caused by a **lack of dietary elements (nutrients)**. Deficiency diseases can often be cured by supplying the missing nutrient. Examples of some deficiency diseases and their symptoms are mentioned in the table below.

Nutrient deficiency	Name of the disease	Symptoms of the disease	Good food sources of the nutrient
Vitamin C	Scurvy	Bleeding gums .	Orange , lemon , guava
Vitamin B1	Beriberi	Partial paralysis and mental confusion .	Brown rice , potato, milk
Vitamin D	Rickets	Bones become soft and leg bones of children may bend .	Egg yolk, butter, cod – liver oil.  Note: vitamin D is made when the skin is exposed to sunlight.
Protein	Kwashiorkor	Muscle shrinkage and a swollen belly .	Meat, chicken, fish ,lentils
Vitamin A	Night blindness	- Cannot see in dim light	Dairy products and fish
Iron	Anaemia	<ul><li>Tiredness</li><li>Painful sores.</li><li>Weak nails</li></ul>	Meat, chicken, green leafy vegetables

### Rickets is caused by a deficiency of Vitamin D

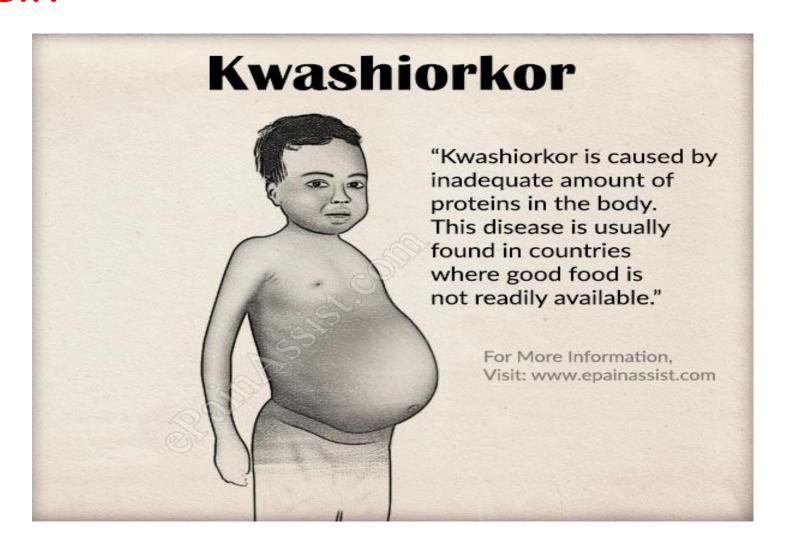


### Scurvy is caused by a deficiency of Vitamin C

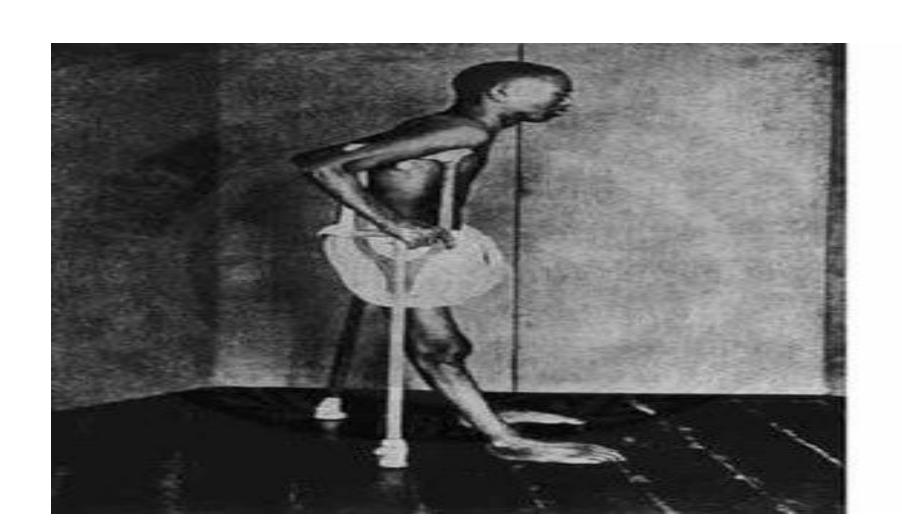


shutterstock.com • 753674461

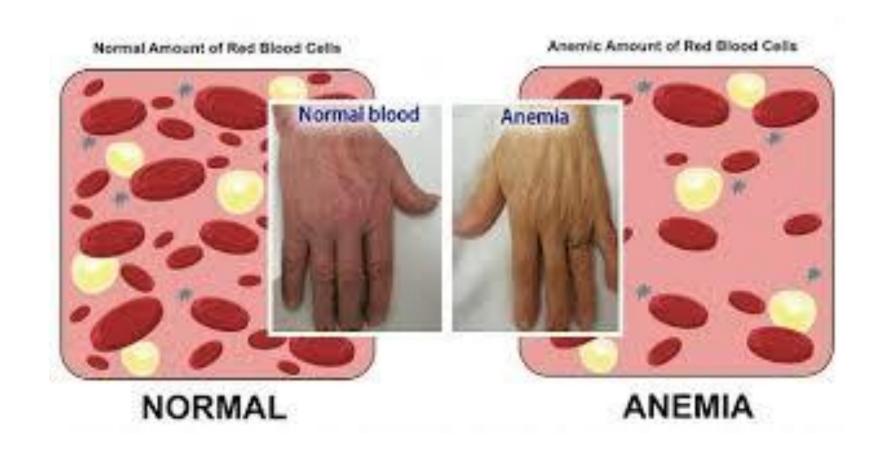
### Kwashiorkor is a disease caused by deficiency of Protein



## Beriberi is a disease caused by deficiency of Vitamin B1



## Anaemia is a disease caused by deficiency of Iron



### Workbook page 45

Q2. Anaemia – iron

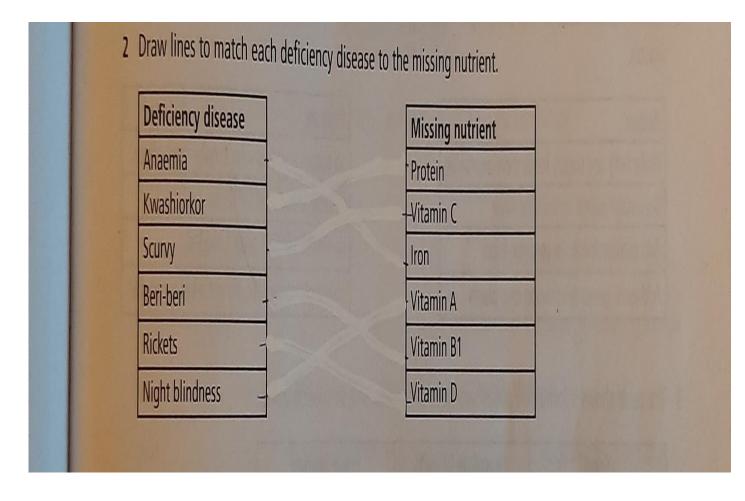
Kwashiorkor – protein

Scurvy – vitamin C

Beri-beri – vitamin B1

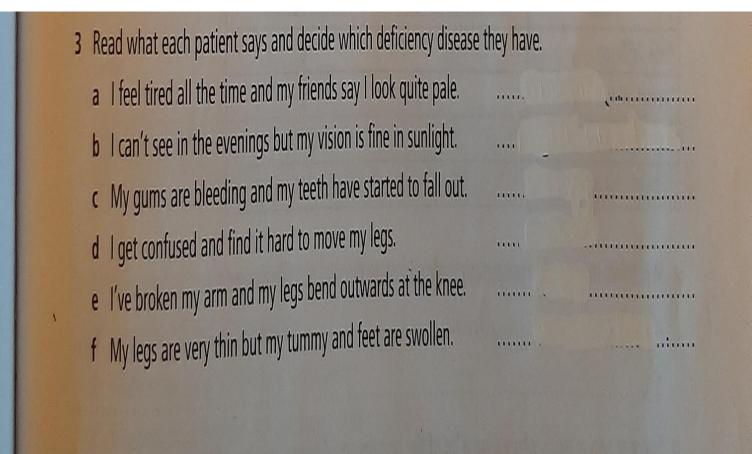
Rickets – vitamin D

Night blindness – vitamin A



#### Workbook page 45

- Q3. a. Anaemia.
- b. Night blindness.
- c. Scurvy.
- d. Beri-beri.
- e. Rickets.
- f. Kwashiorkor



#### E page 45:

- a. Hassina may have scurvy and anaemia.
- b. Scurvy would cause bleeding gums.

Anaemia would cause tiredness, painful sores in her mouth, and weak nails.

### Page 99 Q.3,4,5

- **Q 3.** Vitamin C is found in fruits and vegetables. Sailors could not take these on long voyages as they would rot. They are also expensive.
- **Q4.** Lemon juice contains vitamin C (which prevents scurvy) but it is destroyed by boiling.
- **Q5.** Vitamin D is made when skin is exposed to sunlight. Countries further from the equator get less sunshine so people there are more likely to have a vitamin D deficiency.

