

T	5 AIRFORCE	25 June 2026	Test # 1
Sc	Seven Star Senior Secondary Public School		

Suggested Remedial Action:

Show students food items containing large amounts of water. Ask them to squeeze a tomato and observe that it contains water. Also show them that liquid items like milk, soup, juice etc contain water. Now ask them if water is obtained when we consume such water-containing items. They can also be asked to keep an apple or an orange out to dry in the Sun. They should be asked to compare the weight of such fruits/vegetables before and after drying. The missing weight is the weight of the water that has evaporated from the object. Guide students to understand that the water in the fruits and vegetables enters our body when we consume them, and is absorbed by our body during digestion, just like the water that we drink.

Q Which of these diseases is **NOT** caused by microorganisms or infectious agents?

26 **1** malaria **2** typhoid **3** anaemia **4** polio

Critical | Deficiency diseases are not spread by microorganisms

Correct Option: 3

1	2	3	4
17%	21%	28%	34%

Answer and Distracter Explanation:

Students are expected to know how common diseases are caused - either by infectious agents or by the deficiency of some nutrients. They are also expected to know that deficiency diseases are not spread by microorganisms. Students choosing option 1 may not be aware of how malaria is caused or spread. Students choosing option 2 may be making a random guess. Students choosing option 4 may not be aware that polio is an infectious disease - which is alarming, since polio was only eradicated in 2014 in India.

Suggested Remedial Action:

While students learn about common diseases, it is important that they learn about how these diseases are caused. This is because it is important for students to understand how to protect themselves from the disease, and also prevent the spread of these diseases. Ask students to identify the causes of the different diseases mentioned in the question. Check whether students understand what the typical signs of these diseases are and whether they know how they are caused. Ask students probing questions to check whether they feel that deficiency diseases are infectious and can be spread from one person to another through an infectious agent. Guide students to understand how the logic behind this possible idea is not valid. Some students may not be aware of some diseases, which is ok - they don't need to know ALL the diseases, but they should be aware of the common diseases, both infectious and otherwise, so that they can protect themselves against these diseases, or be aware of the need to get treatment when they are ill. Deficiency diseases, in particular, can come on insidiously, and students should be aware of how to prevent such diseases. Ask students to prepare a chart of common diseases, their signs/symptoms, measures for prevention, and steps for treatment (not to the detail of prescriptions :)