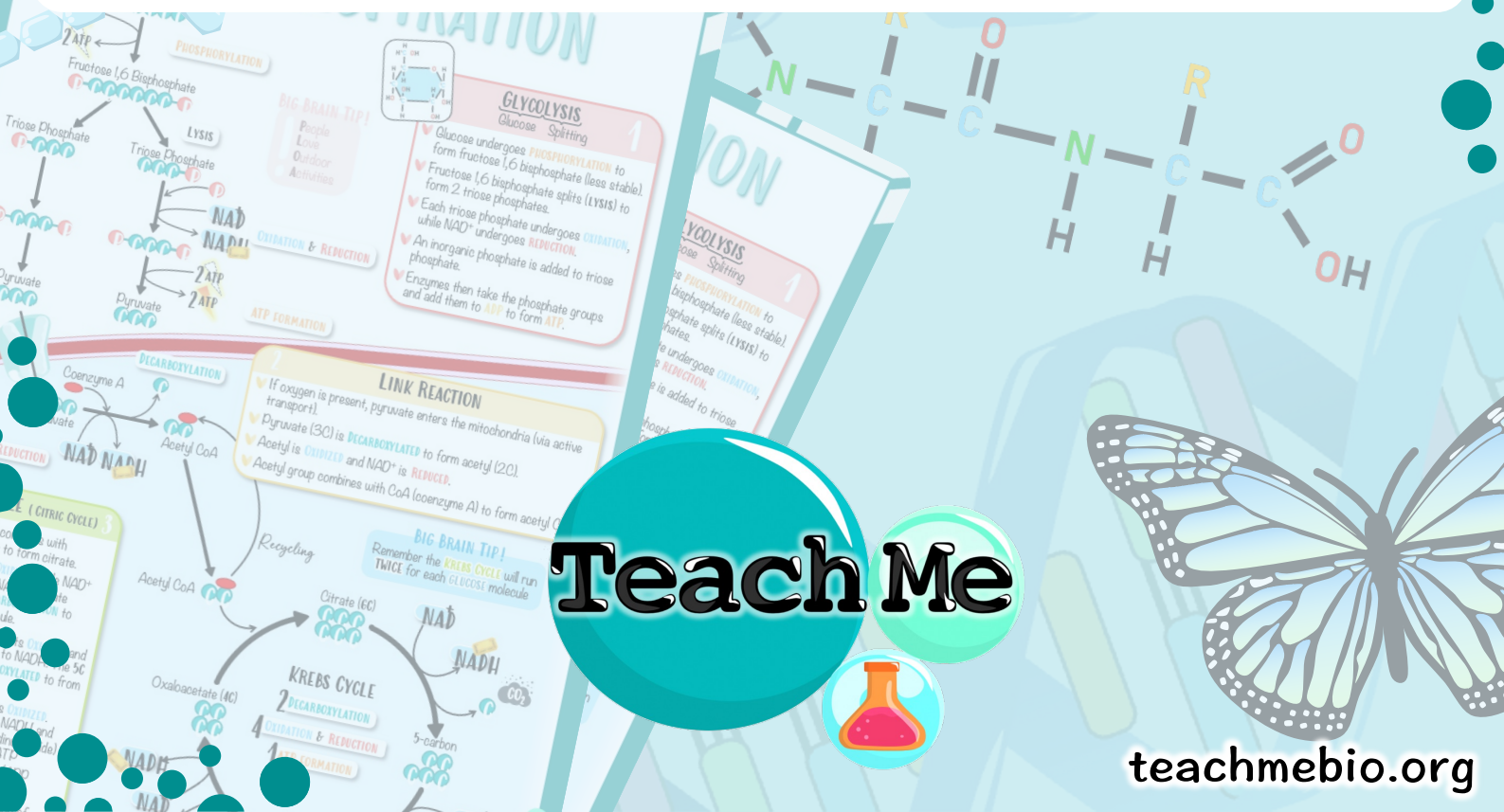


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STUDY NOTES

CHAPTER 10 – INFECTIOUS DISEASE Malaria



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MALARIA

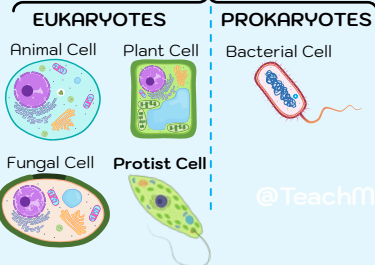


PATHOGEN FACTS

- Protist – *Plasmodium falciparum*, *P. vivax*, *P. ovale*, *P. malariae*. *falciparum* is both the most common and deadliest of *Plasmodium*.

The *Plasmodium* parasite is a **protist**; a type of **eukaryote**.

All living organisms



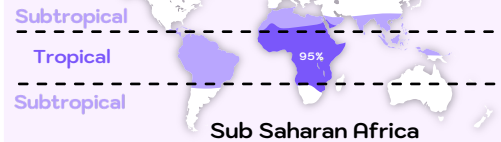
- Incubation period: 1 week – 1 year
- Site of action: **liver** (early), **red blood cells** & **brain** (very severe)



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DISTRIBUTION



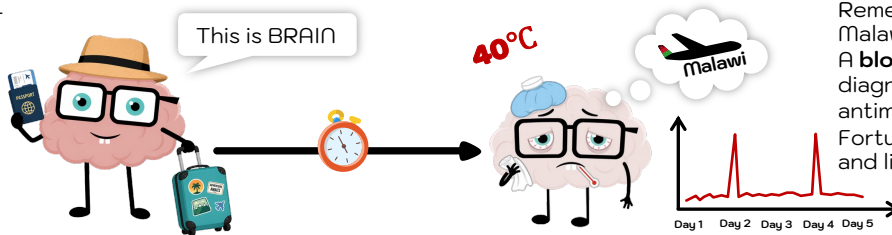
In tropical regions, conditions are perfect for mosquitoes; **Warm temperatures** and **standing water** allow mosquitoes to breed throughout the year, increasing malaria transmission. (see images on page 2).



Story Time!

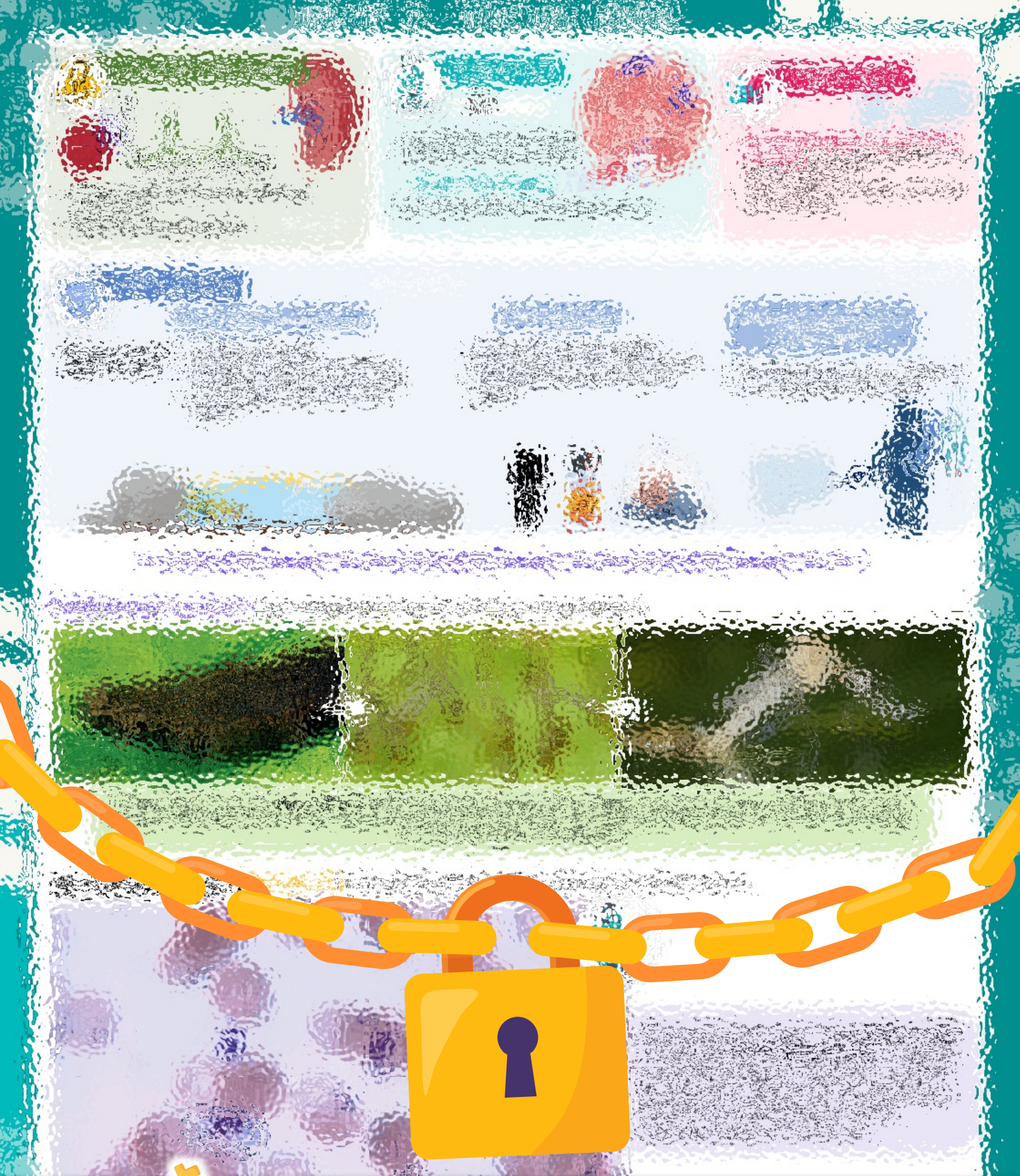
Brain decided to spend his holiday in **Malawi**. After an amazing trip, he returned home feeling perfectly healthy.

However, about **a week** later he suddenly developed a **high fever**, followed by intense **shivering** and **sweating**. At first, he thought he had caught the flu, but the episodes kept returning and he became increasingly **weak**.



Remembering his recent trip to Malawi, his doctor suspected **malaria**. A **blood smear** confirmed the diagnosis, and Brain was treated with antimalarial drugs. Fortunately, he made a full recovery and lived to tell the tale.

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