Name: Quang Huynh

Watch the video and answer the questions

Ameba Sisters: Mutations

<https://www.youtube.com/watch?v=vl6Vlf2thvI>

1. **What is a change in genetic information known as?** Mutations

2. Mutations are random: **True**/False

3. **What external factors may make a mutation more likely to occur?** Excessive radiation or exposure to chemicals.

4. **What internal factors may make a mutation more likely to occur?** An event that causes a problem during DNA replication

5. **What are two types of mutations?** Gene mutations and chromosome mutations.

6. **What are some examples of gene mutations?** Substitution, Insertion and Deletion

7. The human chromosome number is 46 with 23 from an egg cell and 23 from a sperm cell.

8. What are some examples of chromosomal mutations? Duplication, Deletion, Inversion, Translocation

9. What protein present in red blood cells is mutated in Sickle Cell Anemia? Hemoglobin

10. People who are carriers for Sickle Cell Anemia are less susceptible for what disease? Malaria