**Comet C/2022 E3 (Z.T.F.)**

Read the NY Times article *How to Watch the ‘Green Comet’ in Night Skies*, then use it to answer the following questions using **FULL SENTENCES**.

1. How long has it been since comet C/2022 E3 (Z.T.F.) last passed by Earth?
2. A) What does the term perigee mean? (use the internet for this question)

B) What day is comet C/2022 E3 (Z.T.F.) going to be closest to Earth? How close do astronomers think it will come?

1. Do scientists think this comet will be visible to the naked eye?
2. Explain how comet C/2022 E3 (Z.T.F.) acquired its name.
3. Explain what a comet is.
4. What are the 2 main parts of a comet? What causes a comet to start to glow?
5. What colour does comet C/2022 E3 (Z.T.F.) appear to be and what causes this?
6. What are the best conditions for viewing objects in the night sky?
7. Describe where you should look in the night sky to find comet C/2022 E3 (Z.T.F.).
8. What do astronomers hope to learn from studying comets?