**2nd term exam checklist Y7 Biology**

* **Summarise** the differences between the geocentric and heliocentric models of the universe
* **Describe**the similarities and**differences**between the interior and exterior planets
* **Describe** the movements of the Earth, rotation and orbit, and how they cause seasons
* **Describe** lunar and solar eclipses
* **State** the symbols of the principal elements (groups 1 to 18).
* **State**the characteristics of a mineral.
* **Apply** the Mohs scale to find out the hardness of a mineral
* **Describe** the composition of the atmosphere
* **Explain** the Greenhouse Effect
* **Discuss** the importance of the atmosphere for living beings
* State the concept and examples of bioelements and some examples.
* Differentiate between inorganic and organic biomolecules.
* Outline the characteristics of life.
* Describe the Vital Functions.
* Explain autotrophic and heterotrophic nutrition.
* Differentiate between asexual and sexual reproduction.
* Describe cellular theory.
* Outline the differences between prokaryotic and eukaryotic cells.
* State the function of the main organelles in both plant and animal cell.
* Label the main organelles in both plant and animal cell.
* Differentiate between prokaryotic and eukaryotic (animal or plant) cells in diagrams.
* Describe the 5 Kingdoms of life: Monera; Protist; Fungi; Plant; Animal; and their adaptations.
* Outline the differences that allow to distinguish between the 5 Kingdoms.
* Discuss problems with the classification of viruses.
* Explain the importance of biodiversity.
* Describe Scientific Classification. ´
* Design identification keys for given examples.