

Honors Biology Summer Review Topics

1. There is no official summer assignment. However, there are standards from middle school that you are expected to know or at least be familiar with. Each unit begins with a brief review of those standards, but it is a good idea to review them over the summer. Here are ten that will give you a great foundation for a successful, stress free year in honors biology:

- Scientific method – identify independent & dependent variables and constants
- Difference between scientific theory and scientific law
- Scientific theory of atoms – properties of subatomic particles (p, n, e)
- Scientific theory of cells – know the three parts to the cell theory
- Compare and contrast prokaryotic and eukaryotic cells
- Compare and contrast plant and animal cells (organelle functions)
- Compare and contrast asexual reproduction and sexual reproduction
- Classification system of living things (D, K, P, C, O, F, G, S)
- Relationship between DNA, chromosomes, and genes
- Explain the relationship between producers, consumers, and decomposers

2. Biology EOC

There is a state End of Course Exam (EOC) given for biology. It is given in May and covers the whole year's curriculum. It counts as 30% of your overall grade (it will be recorded as both your first semester and second semester exam grades)

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