**AP BIOLOGY 2019-20 October 31, 2019**

**Today’s Agenda (Day 47)**

1. Housekeeping Items

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1. Homework Check:

🡪 My AP Questions – Cell Communication

🡪 Chapter 11 & 12 Vocabulary

🡪 My AP Questions: Cell Cycle

🡪 Chapter 47 & 48 Vocabulary

1. Class Activity:

🡪 **BEGIN: Chapter 47 PPT Review**

1. Section 47.1 – Fertilization and cleavage initiate embryonic development
2. Section 48.1 – Morphogenesis in animals involves specific changes
3. Section 47.3 – Cytoplasmic determinants and inductive signals contribute to cell fate specification

HOMEWORK:

* Read Unit 3 chapters –
* Chapter 47: Animal Development and Chapter 48: Neurons, Synapses and Signaling
* Complete Chapter 47 Vocabulary and Notes

Chapter 47 – Animal Development

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| --- | --- | --- | --- | --- | --- |
| acrosomal reaction | animal pole | apical ectodermal ridge | blastocoel | blastocyst | blastomeres |
| Blastula | convergent extension | Ectoderm | Endoderm | extraembryonic membranes | fate maps |
| fertilization | Gastrulation | germ layers | Mesoderm | neural tube | Notochord |
| Organogenesis | positional information | slow block to polyspermy | Trophoblast | vegetal pole | Yolk |
| zone of polarizing activity |  |  |  |  |  |

Chapter 48 – Neurons, Synapses and Signaling

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| action potential | Axon | central nervous system | Dendrites | Depolarization | excitatory post-synaptic potential |
| Glia | graded potentials | Hyperpolarization | inhibitory post-synaptic potential | membrane potential | Myelination |
| Neurotransmitter | node or Ranvier | peripheral nervous system | refractory period | resting potential | saltatory conduction |
| spatial summation | Synapses | temporal summation | Threshold | voltage-gated ion channels |  |

REMINDERS:

* Chapter 47 & 48 Vocabulary – October 31
* Chapter 47 Notes – November 1
* Chapter 48 Notes – November 4
* Chapter 47 & 48 Vocabulary Quiz **🡪 November 5**
* **TEST: Ch 47 & 48 🡪 November 7**