

Reproduction

Biology – Mr. Hall

UNIT OUTLINE

Homework/Activities

- **Engage: Time to Make a New Cell!** (4 pgs.)
The Activity #1-3
Follow Up Questions #1-5
- **Explore: Mitotic Figures** (4 pgs.)
The Activity #1-8
Follow Up Questions #1-7
- **Explain: She Loves Me, She Love Me Not** (2 pgs.)
The Activity #1-5
Follow Up Questions #1-8
- **Elaborate: The Birds and the Bees** (4 pgs.)
The Activity #1-5
Follow Up Questions #1-13
- **Evaluate: Google Maps Repro** (4 pgs.)
The Activity #1-5
Follow Up Questions #1-12

Concepts/Topics

Basics

- asexual vs. sexual reproduction
- Cellular reproduction (reproduction, growth, repair)
 - DNA replication (DNA polymerase)
 - mitosis
- Plant reproduction
 - plant anatomy: pistil, stamen, anther, stigma, sepals
 - pollination, seed dispersal
 - vegetative reproduction (stolons, shoots/rhizomes, cuttings, grafting)
- Animal reproduction
 - internal vs. external fertilization
 - mammalian anatomy - uterus, vagina, ovary, cervix, penis, testes, prostate
 - where do meiosis, ovulation, fertilization, implantation occur?
 - puberty, hormones, secondary sex characteristics
 - menstruation

Beyond the Basics

- self-fertilization in plants (advantages/disadvantages, preventing)
- gender assignment/plasticity
- sexual reproduction in bacteria

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