

SCIENCE WORKSHOP 9TH GRADE

Name: _____

TOPICS: Asexual vs Sexual reproduction – Human Reproduction

Goals:

1. Understands that living things can have different ways of reproduction.
2. Applies specific vocabulary into context.
3. Respects the social and moral implications behind human reproductions.

Questionnaire:

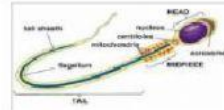
1. ____ Chromosomes

A. Female sex cell



2. ____ sperm

D. Male sex cell



3. ____ parents

B. fertilized egg



E. special cells that contain half the number of chromosomes as body cells

4. ____ zygote

F. animals (including humans) or plants that produce offspring



5. ____ offspring

C. threadlike structures made of DNA molecules that contain the genes



G. Product of reproduction, a new organism produced by one or more parents

6. ____ sex cells



7. ____ egg

Vocabulary reinforcement: Match the definitions (A-G) with their term (1-7)

Concept practice:

1. What is the difference between budding and fission?

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2. Why do you think external fertilization occurs generally in aquatic animals not terrestrial animals?

Watch the video *How in vitro fertilization (IVF) works* - Nassim Assefi and Brian A. Levine (<https://www.youtube.com/watch?v=P27waC05Hdk>) and answer the following questions:

1. Aside from couples with infertility, who else could benefit from in vitro fertilization?
2. Although many patients want twins, a common phenomenon with in vitro fertilization, why has there been a push to try to reduce the number of twins born from IVF?
3. In your opinion, which are the ethical implication behind IVF? Do you agree to use this method?