

Catalyst: What are the differences between Asexual and Sexual Reproduction?

Reflection:

39L

Asexual Reproduction

3/21/17

Asexual

Sexual

Def:

Def:

39R

TRY THIS INTERACTIVE GAME

[http://learn.genetics.utah.edu/content/
basics/reproduction/](http://learn.genetics.utah.edu/content/basics/reproduction/)

A young orangutan is the central focus of the image. It has reddish-brown fur and a light-colored face. Its mouth is wide open in a large, open-mouthed expression, with its pink tongue sticking out. Its eyes are wide and looking upwards. Its hands are raised near its face, with fingers slightly curled. The background is a soft, out-of-focus natural setting with light-colored earth and some greenery. The entire image is framed by a yellow border with diagonal lines.

Think about it

Talk with you elbow partner

Am I a sexual reproducer or an Asexual reproducer?

How do you know?



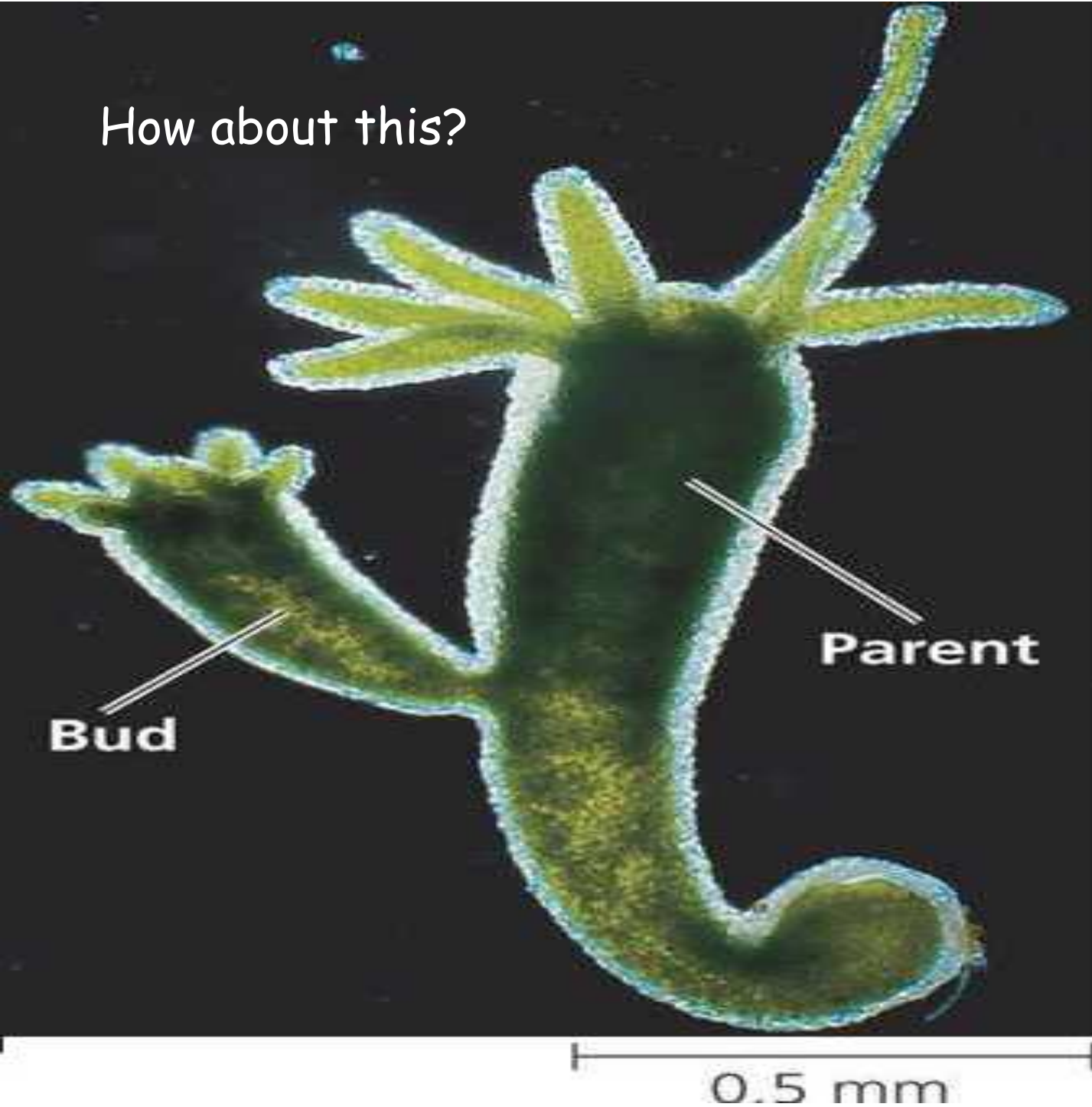
Think about it...
Talk about it with your elbow partner

Am I a sexual reproducer or an Asexual reproducer?
How do you know?

CLASSIFYING SEXUAL / ASEXUAL ORGANISMS

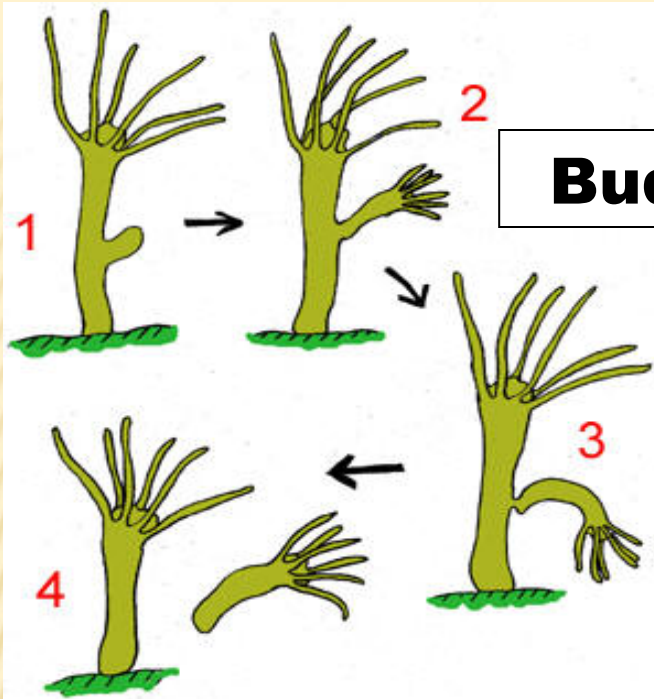
1. Choose 4 animals to read about with your elbow partner in the provided packet.
2. Work together to complete the provided handout (when done staple on **39R**)

How about this?

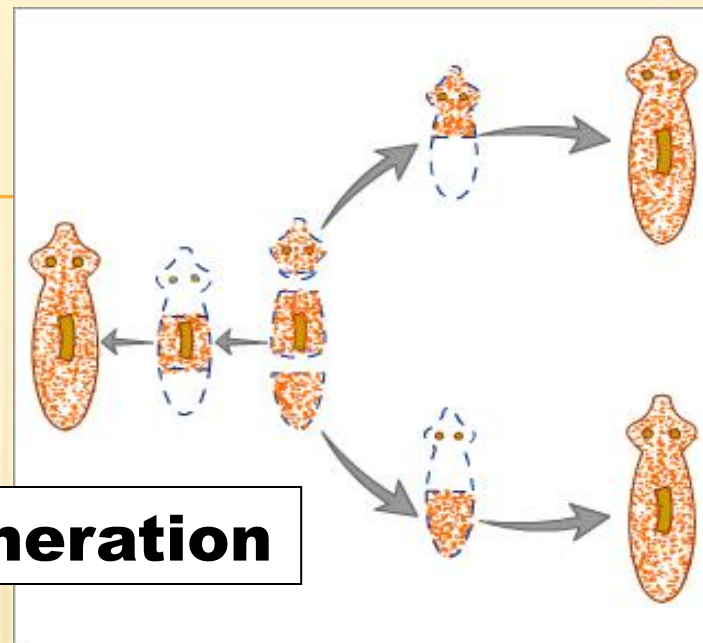


And this guy?





Budding



Regeneration

Spore Formation



Mitosis



Binary Fission

How does this plant reproduce?



What about this Octopus?



ADVANTAGES / DISADVANTAGES

- ✘ With your elbow partner create an **ORIGINAL definition** for both terms: sexual and asexual reproduction
- ✘ Talk and then write about the **defining characteristics** of both asexual and sexual reproduction.

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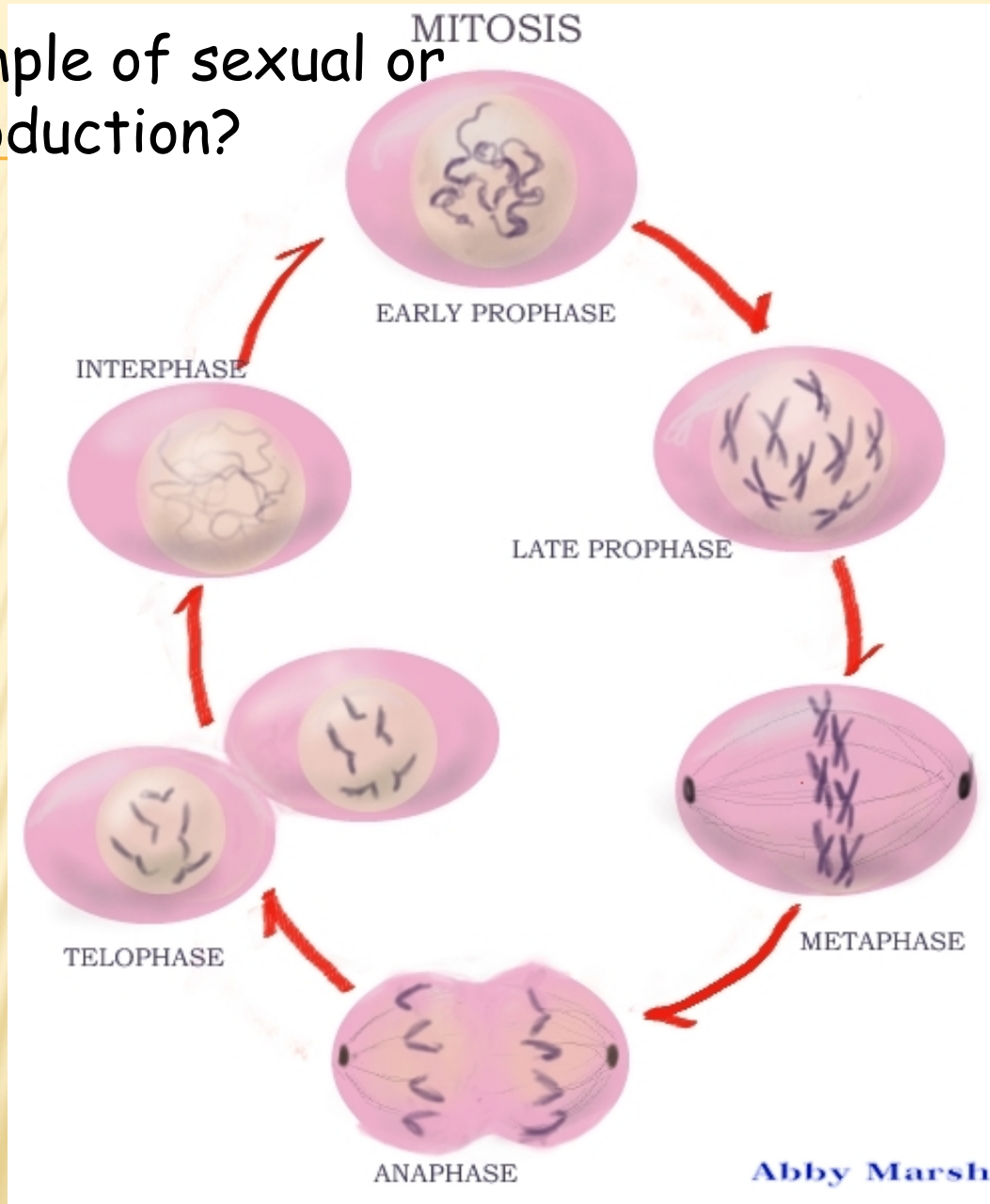
Def:

Write your original definitions here!

Write your defining characteristics in this T-Chart

39R

Am I an example of sexual or asexual reproduction?



What about me?



Catalyst: What are the differences between Asexual and Sexual Reproduction?

Reflection:

What are the advantages and disadvantages to sexually and asexually reproducing?

Asexual	Sexual
Def: Write your original definitions here!	Def: Write your original definitions here!
Write your defining characteristics in this T-Chart	

TRY QUIZZING YOURSELF

#1

Offspring forms by pinching off the original parent

- a) Sexual reproduction
- b) Budding
- c) Regeneration
- d) Spore formation

#2

- ✘ Reproduction involving male (sperm) and female (egg)
 - a) Fission
 - b) Asexual reproduction
 - c) Sexual reproduction
 - d) budding

#3

- ✘ Form of reproduction resulting from a prokaryotic cell splitting in two

- a) Spore formation
- b) Binary fission
- c) Regeneration
- d) budding

#4

× Results in an offspring being created

- a) Fission
- b) Budding
- c) Reproduction
- d) regeneration

#5

✘ New tissue or limb reforms by reproducing asexually

- a) Budding
- b) Regeneration
- c) Binary fission
- d) Sexual reproduction

#6

- ✘ When under the right circumstances, like warmth and wetness, can create a new organism

- a) Budding
- b) Binary fission
- c) Spore formation
- d) regeneration

#7

- ✘ Which of the following does NOT result in an offspring identical to the parent?

- a) Budding
- b) Asexual reproduction
- c) Sexual reproduction
- d) fission

#8

- ✘ Asexual reproduction results in new bacteria whose genetic material is
 - a) Identical to that of the parent
 - b) Not identical to that of the parent
 - c) Half identical to both parents
 - d) Identical to that of another parent

#9

- ✘ In sexual reproduction, the offspring receives its genetic makeup as
 - a) All from the mother
 - b) All from the father
 - c) Half from the mother
 - d) Half from the mother and half from the father

#10

✘ All of the following are types of asexual reproduction EXCEPT

- a) Budding
- b) Fertilization
- c) Regeneration
- d) fission

ANSWERS

× 1 B

× 2 C

× 3 B

× 4 C

× 5 B

ANSWERS

× 6 C

× 7 C

× 8 A

× 9 D

× 10 B