

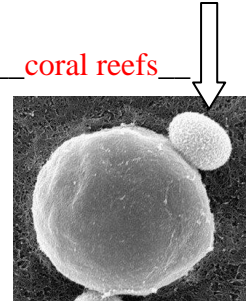
Name: _____

Budding/VIKINGS!



Answer the following questions while watching the amazing video about budding!

1. Is budding asexual or sexual (circle one)? What does that mean? asexual, only the genetic material from one cell is needed to reproduce.
2. What is the difference between budding and binary fission? when binary fission happens, the cell is splitting in to 2 equal parts. During budding, the cell is growing small bumps on the outside which will eventually develop into new parent cells
3. What is an example of multicellular animals that reproduce using budding? coral reefs
4. Circle the “bud” in the following picture: _____



Answer the following questions during the powerpoint!

5. What were the Vikings called who went on raids? Berserkers
6. What was their secret? They ate Amanita mushrooms before a raid
7. What part of the brain does ibotenic acid block? Amygdala
8. Which emotion does that part control that the Vikings wanted to block? fear
9. Unfortunately, about 50% of the Vikings... died from a horrible intestinal disease caused by eating the Amanita Mushrooms
10. What is the name for a fungus-root association? Mycorrhiza
11. How does the fungus help the tree? Helps it retain and gather more water and minerals
12. How does the tree help the fungus? Gives the fungus food produced from photosynthesis
13. What do we call this kind of relationship? mutualistic
14. What is bioluminescence? The ability for living organisms to generate light

15. Why would organisms want to generate light? __communication (fireflies), locating food, attracting prey (anglerfish), camouflage (cookie cutter shark), mimicry (cockroaches)__

16. What organisms are bioluminescent? __fungi, jellyfish, cuttlefish, fireflies, anglerfish, cookie cutter sharks, cockroaches__

17. How does bioluminescence work?__luciferin and luciferase combine to cause a chemical reaction that releases light instead of heat.__