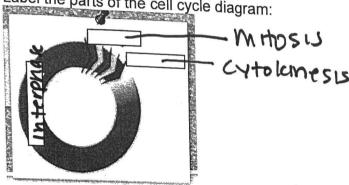
## Reproduction - use the word bank for Words Will be used more

Interphase	BALL :		THEN DICE		
	Mitosis	Cytokinesis	Prophase	Metaphase	
Anaphase	Telophase	Skin (body) cell	Sex cell	Reproduction	
Growth	Repair	Replacement	Body cell	23	
46	2	4			
			Haploid	diploid	

Label the parts of the cell cycle diagram:



- (not the stages of mitosis)
- 3. Why does cell division take place in single celled organism Ycproduction
- 4. Skin / body all Which type of cells are formed in mitosis

5. Interphase In which stage of the cell cycle does DNA replication occur
Which phase of mitosis takes place first

Which phase of mitosis takes place first

You are looking at a cell under a microscope, you see 2 nuclei – which phase is it? 

Loophise

8. You are looking at a cell under a microscope, there are no chromosomes visible, just a tangled ball of string, which stage is it \_\_\_\_\_\_ in terphase

9. You are looking at a cell under a microscope, in which stage would you first see chromosomes <u>Oroma</u>se

10. Which kind of cell is formed from mitosis? Dody cell

11. A cell with 2 types of each chromosome diploid

12. Sex cells have the 1/2 number of chromosomes. - haploid

13. After meiosis in a human, how many sex cells are formed? 4 how many Skip-repeat chromosomes do the sex cells have? 28

14. How many cells are formed in meiosis 4 ?

15. How many chromosomes does a human cell that has finished meiosis have? 23

16. If an organism has 8 chromosomes in its body cell, how many would be in its sex cells

17. Name the process (mitosis or meiosis) that produces:  a. Sex cells MCIOSIS  b. Skin cells MIDSIS  c. Egg MEIOSIS  d. Sperm MCIOSIS  e. A new amoeba MIDSIS (Binary fission)
18. If an organism has 10 chromosomes in its cells - How many did it get from each
19. Why do the sex cells of an organism contain ½ the number of chromosomes as the organism's body cells? So that when they combine in fertilization they get the full amount
20. What kind of reproduction formed structure 1  Sexual (asexual)
21. What type of reproduction formed structure 2  Osexua (asexual or sexual)  22. Where did the genetic material in structure 1 come from?  From the parest cells regg+Sperm  23. What type of reproduction formed structure 2  Assume (asexual or sexual)  24. What type of reproduction formed structure 2  25. Where did the genetic material in structure 1 come from?  26. What type of reproduction formed structure 2
23. What type of asexual reproduction produces structure  2
25. What kind of asexual reproduction happens when a parent organism splits equally to form 2 new offspring organisms fragmentation or regeneration
Same genetic matched formed thru mitosy - vegetative reproduction  Some organisms can reproduce sexually and asexually.  What does she mean vegetative regard thru mitosy - vegetative reproduction - regeneration - Spore s
Some organisms can reproduce sexually and asexually.  28. Name 3 advantages of sexual reproduction  — genetic variation
- Organisms can resist disease - They can survive in a changing environment
29. Name 3 advantages of asexual reproduction  - fast  - no mate needed
The organisms below are reproducing. Which organisms will NOT have genetic variation
(circle): Dog, human, hydra, amoeba, tree, potato formed from a tuber

IF growing from roots it will not have variation of normally grows from a seed - then it will

A.