Mitosis/Meiosis Review

Name	
For the	e following questions, answer either mitosis or meiosis.
1.	Produces HAPLOID Cells
2.	One Division
3.	DNA/Chromosomes are duplicated
4.	Produces 2 Diploid Cells
5.	Occurs in almost ALL cells in the body
6.	Occurs in the Testes and Ovaries
7.	Divides two times (2 cell divisions)
8.	Cells produced are identical to one another and parent
9.	Cells produced are DIFFERENT from one another
10.	Maintains the Normal (diploid) number of chromosomes
11.	Produces Gametes
12.	A cell with 46 chromosomes divides producing 4 cells with 23 chromosomes.
13.	A cell with 46 chromosomes divides producing 2 cells with 46 chromosomes
	er the following questions.
14.	If the haploid number for a fruit fly is 4, then it's diploid number would be
15.	If a normal corn cell has 20 chromosomes, how many chromosomes would it have after meiosis?
16.	Another word for sex cell is
17.	The type of cell that results when a male gamete fertilizes a female gamete
18.	A cell that contains the regular number of chromosomes, like all of our body cells is
19.	When a male and a female gamete fuse together the process is called
20.	Match the appropriate process with each description. a. asexual reproduction b. sexual reproduction
	1Increases genetic variability
	2Recombines contributions from two parents
	3Produces the expected fruit or form
	4needs meiosis to produce cells
	5 Only one parent is needed
	6 A plant reproduces by making a seed
	7. A plant is reproduced using a cutting (a piece of the plant)

DNA REVIEW

- 1. What is the building block (monomer) of DNA? What are the 3 things that form the building block?
- 2. Which of the following nitrogen bases of DNA below are matched up correctly?
 - a. Adenine-Guanine (A-G)

c. Guanine-Guanine (G-G)

b. Thymine- Cytosine (T- C)

d. Cytosine- Guanine (C-G)

- 3. If the following strand of DNA reads ATCTAGCCA, what would the complimentary strand read?
- 4. Your DNA is 99.9% identical to your peers. What do you know about DNA that can explain why you do not look anything like your peers?
- 5. What is DNA replication?
- 6. Describe the structure of DNA.
- 7. What two scientists are credited with discovering the structure of DNA?

