Name $\qquad$ Date $\qquad$

Section 1.2 Understanding the Cell Cycle

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\text { Read pages } 17-23
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1) How did you begin your life?
2) How many cells will your body be made of when you become an adult?
3) What is necessary for living organisms to grow and develop?
4) What must each newcell have?
5) What is the process that ensures thateach new cell has a nucleus with a complete set of instructions ( $\mathcal{D N}(\mathcal{A}$ ) called?
6) What must happen before mitosis can begin?
7) What is the process called in question 6?
8) Replicated chromatin coils up to form what?
9) What are chromosomes joined in the middle 6y?
10) What has happened after replication?
11) Describe the phases of mitosis.
12) At the end of mitosis, there is still only $\qquad$ cell, 6 ut it now has $\qquad$ identicalnuclei.
13) What fappens in animals cells after the end of mitosis?
14) What happens in plant cells after the end of mitosis?
15) What phase does a cell spend most of its time in?
16) What does the prefix inter mean?
17) What happens during interphase?
18) What is the cell cycle?
19) Why must the nuclear membrane breakdown in mitosis?
