

CELL DIVISION

READING QUESTIONS

Suggestion: tape these into your notes

- What three essential life processes involve cells dividing, meaning making more of themselves?
- Give an example of each of these process.
- The surface area to volume ratio, expressed as SA/V or “SA divided by V”, gets BIG as an object gets small. Using the example in the book under “Think About It” on pg. 105, show this mathematically using the three examples provided (yellow blocks). You do not need sentences for this.
- Explain why cells want a BIG SA/V ratio, in other words, what factors limit a cell from getting too big?
- Create a T-chart comparing Asexual to Sexual Reproduction, giving examples of when each is used. You do not need sentences for this.
- Draw figure 5.4. Write a sentence that states the phase in which a cell spends most of its time. *Hint:* G1, S, and G2 are all part of one larger phase.

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