

Cell processes



Name Class Date



Two primary agents of cellular communication are

- A chemicals made by blood cells and simple sugars
- B hormones and carbohydrates
- C enzymes and starches
- D hormones and chemicals made by nerve cells



Chromosomes can be described as

be described as



- **B** folded chains of bonded glucose molecules
- c reproductive cells composed of molecular bases
- D coiled strands of genetic material



All life depends on the availability of **usable energy**. This energy is **released** when

- A organisms convert solar energy into the chemical energy found in food molecules
- R respiration occurs in the cells of producers



Which **activity** is illustrated in the diagram of an **ameoba** shown below?

- A egestion
- **B** synthesis







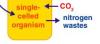
PREVIEW



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- **B** are the same size as the substrate molecules
- C have a shape that fits into the enzyme
- D have a shape that fits into all cell receptors

- B respiration, only
- c excretion, only
- D the digestion of proteins





If frog eggs taken from a freshwater pond are placed in a saltwater aquarium, what will most likely happen?

- A Water will leave the eggs.
- B Salt will leave the eggs.
- C Water will neither enter nor leave the eggs.
- D The eggs will burst.



Which substances are found on cell surfaces and respond to nerve and hormone signals?

- A starches and simple sugars
- B subunits of DNA
- C vitamins and minerals
- D receptor molecules



Cell processes - Answer Key



Name Class Date Two primary agents of cellular Chromosomes can communication are be described as A chemicals made by A large molecules that have blood cells and only one function D D simple sugars B folded chains of bonded B hormones and carbohydrates glucose molecules C enzymes and starches reproductive cells composed of molecular bases D hormones and chemicals made by nerve cells D coiled strands of genetic material Which activity is illustrated in the diagram All life depends on the availability of usable 3 of an ameoba shown below? energy. This energy is released when A organisms convert solar energy into the A egestion chemical energy found in food molecules **B** synthesis respiration occurs in the cells of producer 5 A **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet A B respiration, only B are the same size as the substrate C excretion, only nitrogen wastes molecules **D** the digestion C have a shape that fits into the enzyme of proteins D have a shape that fits into all cell receptors 9 If frog eggs taken from a freshwater pond Which substances are found on cell 10 are placed in a saltwater aquarium, what surfaces and respond to nerve and will most likely happen? hormone signals? A Water will leave the eggs. A starches and simple sugars (D)B Salt will leave the eggs. **B** subunits of DNA C Water will neither enter C vitamins and minerals nor leave the eggs. D receptor molecules The eggs will burst.