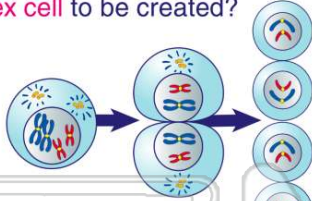




Name _____ Class _____ Date _____

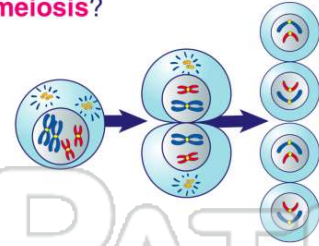
1 How many **cell divisions** must occur for each **sex cell** to be created?

- A 1
- B 2
- C 3
- D 4



2 How many sex cells are produced from **meiosis**?

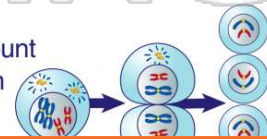
- A 2
- B 4
- C 6
- D 8



3 Meiosis consists of two separate cell divisions called meiosis 1 and meiosis 2. There are four phases in each cell division that have the same names as those from mitosis. **What is the name of the last stage of meiosis?**

4 Compared to other cells, how much of the **genetic material (DNA)** does a **sex cell** have?

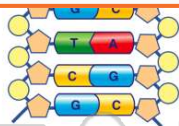
- A the same amount
- B twice as much
- C half as much



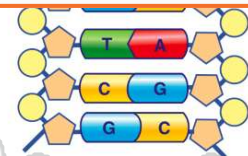
PREVIEW

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- B sugar and phosphate
- C starch and sulfate
- D sugar and sulfate



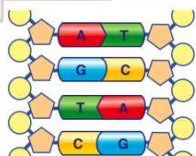
- B thymine
- C glycine
- D cytosine



9 The nitrogen bases of DNA are **paired** specifically with another nitrogen base.

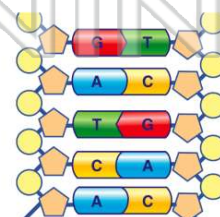
A (adenine) is always paired with **T (thymine)** and **G (guanine)** is always paired with **C (cytosine)**.

- A true
- B false



10 Is this the **correct pairing** of the **nitrogen bases** on a strand of DNA?

- A yes
- B no

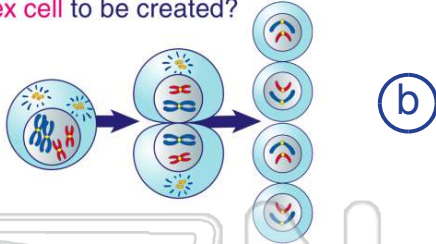




ANSWER KEY

How many **cell divisions** must occur for each **sex cell** to be created?

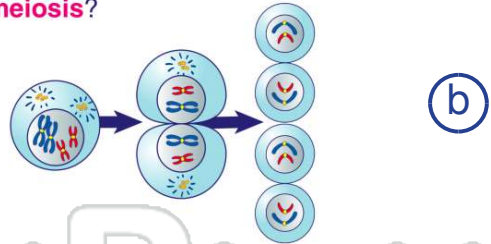
- A 1
- B 2
- C 3
- D 4



(b)

How many sex cells are produced from **meiosis**?

- A 2
- B 4
- C 6
- D 8



(b)

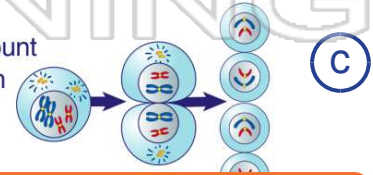
Meiosis consists of two separate cell divisions called meiosis 1 and meiosis 2. There are four phases in each cell division that have the same names as those from mitosis. **What is the name of the last stage of meiosis?**

- A anaphase 1
- B metaphase 1
- C telophase 1
- D prophase 1

(d)

Compared to other cells, how much of the **genetic material (DNA)** does a **sex cell** have?

- A the same amount
- B twice as much
- C half as much
- D none



(c)



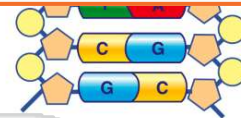
PREVIEW

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- C starch and sulfate
- D sugar and sulfate

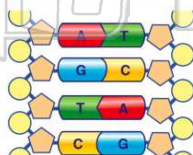


- C glycine
- D cytosine



The nitrogen bases of DNA are **paired** specifically with another nitrogen base. **A (adenine)** is always paired with **T (thymine)** and **G (guanine)** is always paired with **C (cytosine)**.

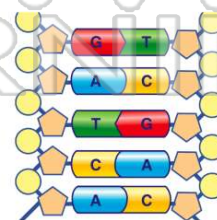
- A true
- B false



(a)

Is this the **correct pairing** of the nitrogen bases on a strand of DNA?

- A yes
- B no



(b)