

الوقت المتبقي 0:07:57

The role of bacterial division is

a. production of gametes ☐

b. reproduction ☒

c. development ☐

d. repairing ☐

أختر اختياري

The chromosomes begin to uncoil into the more extended form during

telophase .a ☒

prophase .b ☐

anaphase .c ☐

prometaphase .d ☐

metaphase .e ☐

أجل اختياري

الوقت المتبقي 0:08:11

This is the cell cycle checkpoint that makes sure that all chromosomes attached to spindle microtubules

a ☐ G₁ checkpoint

b ☐ G₁ and G₂ checkpoints

c ☐ G₂ checkpoint

d ☒ M checkpoint

أدخل اختياري

When is the spindle apparatus broken down?

Metaphase .a ☐

Anaphase .b ☐

Prophase .c ☐

Telophase .d ☒

أختر اختياري

الوقت المتبقي 0:10:44

This is the cell cycle checkpoint that makes sure DNA has been replicated correctly

G₂ checkpoint .a ☒

G₁, G₂ and M checkpoints .b ☐

exocytosis .c ☐

M checkpoint

G₁ checkpoint .d ☐

أجل اختياري

الوقت المتبقي 0:03:40

Which of the following does not occur during mitosis?

a. ☐ condensation of the chromosomes

b. ☒ replication of the DNA

c. ☐ spindle formation

d. ☐ separation of sister chromatids

أخلى اختياري

الوقت المتبقي 0:04:40

Which of the following describes kinase
?(Cdk)

Cdk is an enzyme that
phosphorylates other proteins

.a



Cdk is inactive in the presence of
cyclin

.b



Cdk is an enzyme that
dephosphorylates other proteins

.c



Cdk cannot attach to different
cyclins

.d



اختر اختياري

الوقت المتبقي 0:03:59

عليه بعد

1.00

السؤال

Which of the following plastids have
?pigments

a. ☐ Chromoplasts

b. ☐ Chloroplasts

c. ☒ Chromoplasts and chloroplasts

d. ☐ Leucoplasts

e. ☐ Chromoplasts and leucoplasts

أخلى اختياري

The process by which the bacteria enter the cell is called

exocytosis .a ☐

phagocytosis .b ☒

receptor mediated endocytosis .c ☐

pinocytosis .d ☐

أخلى اختياري

The G_0 phase is

the state of most cells in an animal body .a ☒

another name for interphase .b ☐

the checkpoint before G_1 .c ☐

a permanent state of all body cells .d ☐

أدخل اختياري

Microtubules begin to grow from the centrosome to kinetochore of chromatid during

interphase .a ☐

metaphase .b ☐

prophase .c ☐

anaphase .d ☐

prometaphase .e ☒

أخلِ اختياري

The sodium/potassium pump moves _____ into the cell and _____ out of the cell

Potassium, Sodium .a ☒

ATP, Sodium .b ☐

Sodium, Potassium .c ☐

ATP, Potassium .d ☐

أخِلِ اختياري

All the following statements about counter-transport protein are true EXCEPT

-  It transports Ca^{++} down its concentration gradient .a ☒
- It transports sodium down its concentration gradient .b ☐
- It transports Ca^{++} out the cell .c ☐
- It transports Ca^{++} against its concentration gradient .d ☐

All the following statements about co-transport protein are true EXCEPT

It transports glucose against its concentration gradient .a ☐

It transports glucose down its concentration gradient .b ☒

It transports sodium and glucose into the cell .c ☐

It transports sodium down its concentration gradient .d ☐

All the following require ATP energy EXCEPT

exocytosis .a ☐

pinocytosis .b ☐

symport transport .c ☒

Na/K pump .d ☐

Centrosomes replicate in

G₁ phase .a ☐

prometaphase .b ☐

G₂ phase .c ☒

prophase .d ☐

S phase .e ☐

In G2, the somatic human body cell contains ----- chromatids

92 .a ☒

64 .b ☐

46 .c ☐

23 .d ☐