QUIZIZZ X ICSE GMA MOCK 1 40 Questions	NAME : CLASS : DATE :
 Replication of centriole occurs during interphase early telophase The end of meiosis results in to 2 cells that are identical 2 cells that are not identical 	 b) prophase d) late telophase each other. b) 4 cells that are identical d) 4 cells that are not identical
 3. Law of segregation a) The two members of a pair of factors join during the formation of gametes. c) The two chromosomes of a pair of factors separate during the formation of gametes. 	 b) The two members of a pair of factors separate during the formation of gametes d) The two members of a pair of factors separate during the process of germination.
Garreau's potometer demonstratesa) Suction force created in the vascular bundlesc) Rate of water intake by a dorsiventral leaf	 b) Rate of transpiration from the dorsal surface of a dorsiventral leaf d) Unequal transpiration fro the two surfaces of a dorsiventral leaf

- c) suspend the cell cycle d) terminate the cell cycle 6. The solvent used to dissolve the chlorophyll pigment while testing a leaf for starch a) Soda lime b) Carbolic acid 💉 Methylated spirit d) Water Hh Hh Hh th 7. Huntington's disease affects the brain and nervous system. It is caused by a dominant allele, H. Two parents are heterozygous for Huntington's disease. What is the probability of them producing a child that
- a) 25% b) 50% d) 100%

will also have Huntington's disease?

- 8. Root hair
- a) Extension of the cortex b) Extension of epithelium
- Extension of epidermis

Cell in G_0 phase :

a) exit the cell cycle

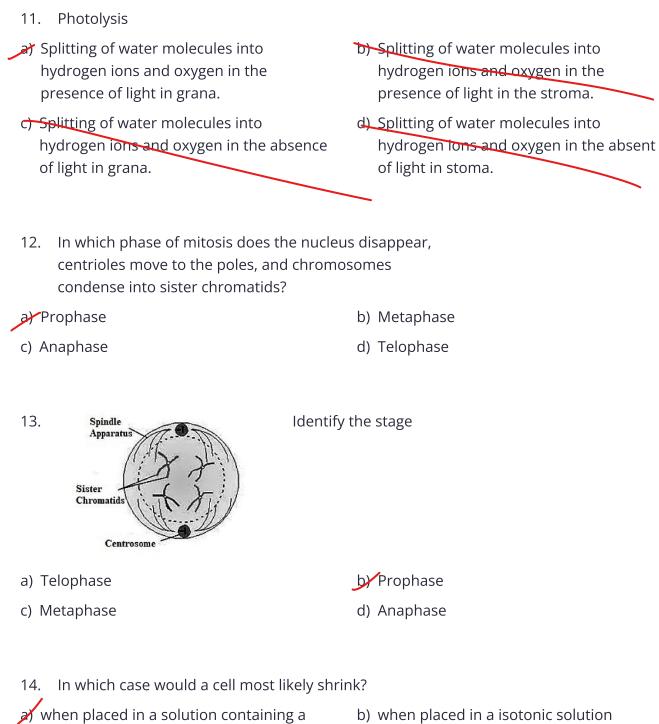
5.

d) Extension of endodermis

b) enter the cell cycle

- 9. Which two reactions occur during photophosphorylation?
- a) ATP is hydrolysed and NADP is reduced
- ATP is synthesised and NADP is reduced
- b) ATP is hydrolysed and NADPH is oxidised
- d) ATP is synthesised and NADPH is oxidised
- 10. Oxygen evolved during photosynthesis comes from

a) CO ₂	b) H ₂ O
c) CO_2 and H_2O	d) Salts



high salt concentrationc) when placed in a solution containing a

low pH

-
- d) when placed in a solution containing distilled water

15. A stand of DNA contains the follo AGCTATACWhat would be the ba complementary strand?	
a) AGCTATAC	by TCGATATG
c) TGCTTATG	d) CTAGCGCT
^{16.} Accumulation of K ⁺ ions leads to	
a) Increased turgidity	b) Closing of stomata
c) Exosmosis of water	d) Increased water potential
 17. Which is the action spectrum of phigher plants? a) Green and yellow c) Blue and far red 	b) Orange and red d) Blue and red
18. The set of the s	What supplies the electrons during photolysis?
a) oxygen	by water
c) glucose	d) rubisco
19. The process in which the exudate and sugars	e is mainly plant sap
a) Guttation	b) Transpiration
c) Bleeding	d) Both a and c

20. Adaptations in plant to reduce transpiration are -

a) No of stomata	b) Thickness of cuticle
c) Loss of leaves	d) All of the above

21. Mineral ions are transported by			
a) diffusion	b) osmosis		
) active transport	d) none of the above		
22. X - linked recessive gene is			
always expressed in male	b) always expressed in female		
c) lethal	d) sub lethal		
23. The rate of transpiration decreases with			
a) high temperature	b) high water content of leaf		
c) closure of stomata	d) intensity of sunlight		
24. Most of the chloroplast cells are found in the			
a) upper epidermis	🦻 pallisade mesophyll layer		
	• • • • • • •		
c) lower epidermis	d) stomata		
25. Point of Non-sister chromatids where cro takes place	ossing over		
a) Nucleosome	b) Centrosome		
c) Centromere	er) Chiasmata		
26. The 'girdling experiment' shows that			

- (x) water is transported by xylem
- b) food is transported by phloem

c) transport is unidirectional

d) transport is bi directional

- 27. The complex molecule consisting of a DNA strand and a core of histones.
- a) Centrosome b) Nucleotide
- 🗡 Nucleosome

- d) Chromosome
- 28. A haemophilic man marries a normal homozygous woman. What is the probability that their son will be haemophilic?
- a) 100%
- c) 50%

b) 75% d) 0%

29.	Animal	# of Chromosomes in Body Cells	A giraffe sex cell divides by meiosis. The daughter cells	
	Ferret	40	produced each have chromosomes.	
	Giraffe	62		
	Gorilla	48		
	African hedgehog	90		
	Kangaroo	12		
	Spotted skunk	64		
\sim			b) 15	
a) 62			b) 15	
c) 93			💋 31	
(30.)W	hat are alleles	?		
	a pair of chro	omosomes		
u) u puir er enremes				
) diffe	rent versions	of the same gen	e c) the total number of genes on one	
			chromosome	
d) two genes side by side on the same				
u) two	genes side by	side on the sam		

- chromosome
- 31. G1 is associated with what event? a doubling of cell content
- c) The beginning of mitosis

- b) DNA replication
- d) breakdown of the nuclear membrane

32. Where does dark reaction or light independent specifically occur?		
a) thylakoid membrane	by Stroma of the chloroplast	
c) Grana	d) nuclear membrane	
33. Which statement about the human sex correct?	chromosomes is	
a) All boys have two Y chromosomes.	Everybody has at least one X chromosome.	
c) Girls have a Y chromosome and an X chromosome.	d) Nobody has two X chromosomes.	
34. what is responsible for guttation?		
a) osmotic pressure	対 root pressure	
c) suction pressure	d) capillarity	
35. A chromatid is attached to a spindle fib	er by the	
a) nucleolus	b) deep furrow	
<u>c)</u> centromere	d) centriole	
36. The first step of photosynthesis is		
a) Photolysis of water	b) Fixation of CO2	
Absorption of light by chlorophyll	d) Formation of ATP	
37. In chloroplasts, chlorophyll is present i	n	
a) Outer membrane	b) Inner membrane	
A Thylakoids	d) Stroma	

- 38. What results from meiosis of a diploid cell?
- a) genetically different diploid cells
- c) genetically identical diploid cells d) genetically identical haploid cells
- 39. How many cells will be produced if a cell divides mitotically 6 times?
- a) 12 b) 24 c) 32 d) 64
- 40. A normal woman whose father was colour blind marries a normal man. Her sons would be
- a) 75% colour blindb) 50% colour blindc) all normald) all colour blind