SHORT ANSWER
Place the answer to each of the following in the space provided.

1. Explain what is happening at each of the following stages of Mitosis:								
Prophase:								
Metaphase:								
Anaphase:								
Telophase:								
2. Explain th	ne role of the fol	llowing digesti	ive structures:					
Mouth:								
Wioddi.								
Teeth:								
Esophagus:								
Stomach:								
Small Intestine	e:							
I anna Intentin	۵٠							
Large Intestine	·							
-		chart and then o	draw Bohr Diagr	rams for the <u>ION</u>	NS of P and Mg	(8 Marks).		
-		Atomic	Atomic	Number of	Number of	Number of		
3. Complete	the following c							
3. Complete	the following c	Atomic Number	Atomic Mass	Number of	Number of	Number of		
3. Complete Element Phosphorus Magnesium	the following c	Atomic Number	Atomic Mass 31	Number of	Number of	Number of Protons		
3. Complete Element Phosphorus	the following c	Atomic Number	Atomic Mass 31	Number of	Number of	Number of Protons		
3. Complete Element Phosphorus Magnesium	the following c	Atomic Number	Atomic Mass 31	Number of	Number of	Number of Protons		
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3. Complete Element Phosphorus Magnesium Phosphorus	the following c	Atomic Number	Atomic Mass 31	Number of	Number of	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus	the following o	Atomic Number 15	Atomic Mass 31 27	Number of Electrons	Number of	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus	the following o	Atomic Number 15	Atomic Mass 31	Number of Electrons	Number of	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus 4. What is the a. Second content of the con	symbol Symbol ne chemical forr Sodium oxide	Atomic Number 15	Atomic Mass 31 27 Lowing compound. Little	Number of Electrons ads? (4 marks) hium chloride	Number of Neutrons	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus 4. What is the a. S. b. C.	symbol Symbol The chemical form oxide Carbon dioxide	Atomic Number 15	Atomic Mass 31 27 lowing compound. Little e. Pot	Number of Electrons ads? (4 marks) hium chloride assium sulfide	Number of Neutrons	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus 4. What is the a. S. b. C.	symbol Symbol ne chemical forr Sodium oxide	Atomic Number 15	Atomic Mass 31 27 lowing compound. Little e. Pot	Number of Electrons ads? (4 marks) hium chloride	Number of Neutrons	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus 4. What is the a. S. b. C. c. Magnesium	symbol Symbol The chemical form oxide Carbon dioxide Magnesium pho	Atomic Number 15 nula of the foll sphate	Atomic Mass 31 27 27 Lowing compound d. Little e. Pote f. iron	Number of Electrons ads? (4 marks) hium chloride assium sulfide	Number of Neutrons	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus 4. What is the a. S. b. C. c. M. S. What is the	symbol Symbol The chemical form oxide Carbon dioxide	Atomic Number 15 mula of the following compound the sphate	Atomic Mass 31 27 27 Lowing compound d. Little e. Pot f. iron bounds:	Number of Electrons ads? (4 marks) hium chloride assium sulfide	Number of Neutrons	Number of Protons		
3. Complete Element Phosphorus Magnesium Phosphorus 4. What is the a. S. b. C. M. S. What is the a. H.	symbol Symbol The chemical form oxide Carbon dioxide Magnesium phote name of the form	Atomic Number 15 mula of the foll sphate llowing compo	Atomic Mass 31 27 27 Lowing compound d. Little e. Pot f. iron bunds:	Number of Electrons ads? (4 marks) hium chloride _ assium sulfide a (II) carbonate	Number of Neutrons	Number of Protons		

6. Classify each of the following reactions as either: synthesis, decompositions, single displacement or double displacement reactions (4 marks)

- a. $Mg + O_2 \rightarrow MgO$
- b. $Ag_3PO_4 + NaCl \rightarrow AgCl + Na_3PO_4$
- d. $H_2CO_3 \rightarrow H_2O + CO_2$

c. $Al + Cr_2O_3 \rightarrow Al_2O_3 + Cr$

- 7. Balance the following chemical equations by placing the appropriate coefficient in the spaces provided. (3 marks)

a)
$$\underline{\hspace{1cm}} KNO_3(s) \rightarrow \underline{\hspace{1cm}} KNO_2(s) + \underline{\hspace{1cm}} O_2(g)$$

$$_{---}$$
H₂SO₄ (aq) \rightarrow

b) ____Al
$$(s)$$
 + ____H₂SO₄ (aq) \rightarrow ____Al₂(SO₄)₃ (aq) + ____H₂ (g)

c) _____ C_5H_{12} (I) + _____ O_2 (g) \rightarrow _____ O_2 (g) + _____ H_2O

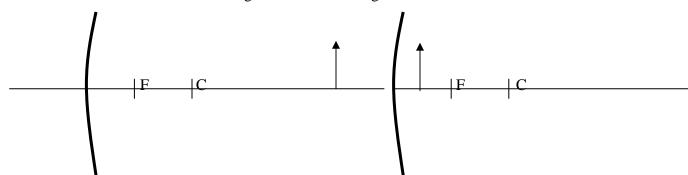
$$\rightarrow$$
 $O_2(g)$

Type: _____

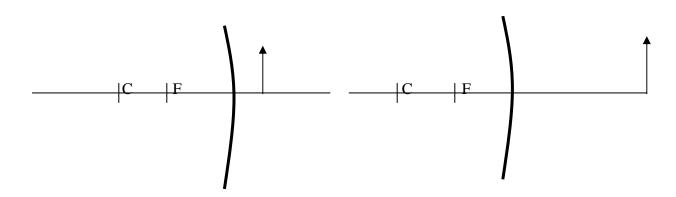
d) _____HNO
$$_3$$
 (aq) + _____LiOH (aq) \rightarrow _____H $_2$ O (I) + ____LiNO $_3$ (aq)

Type: _____

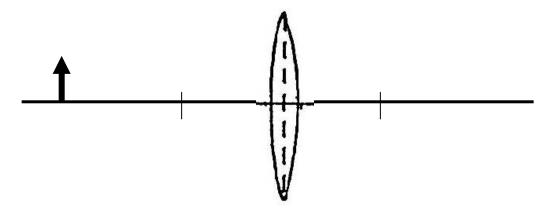
8. Concave Mirrors - Find the image and state the image characteristics.



9. Convex Mirrors – Find the image and state the image characteristics.



10. Locate the image in the **converging lens** below (4 marks).



Label the following terms on the diagram above (6 marks):

- -lens
- -principle axis
- -primary focal point
- -secondary focal point
- -object
- -image

11.	Global	warming	and o	climate (change	is a real	ly impo	rtant is	ssue (a	ınswer t	he fo	llowing	questi	ons o	n
bacl	or a se	eparate pa	ge)												

- a. Explain the greenhouse effect.
- b. Describe the difference between global warming and climate change
- c. List 3 things that cause global warming and list 3 things you can do to help the problem.

- d. Explain how climate change affects terrestrial (land) ecosystems
- e. Explain how climate change affects aquatic (water) ecosystems