



PHYSICS

BOOKS - CHETAN PHYSICS (TAMIL ENGLISH)

MODEL ACTIVITY SHEET

Solve The Following Questions

1. If the height of the orbit of a stellite form the earth surface is increased, the tangential

velocity of the satellite will

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2. The conversion of Ferrous Sulphate to Ferric Sulphate isreaction .

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3. Write the proper answer in the box

$$H = \square \times R \times t$$

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4. What is the odd one out from :

Fuse , wire , bad conductor , rubber gloves , generator .



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5. During transformation of liquid phase to solid phase, the latent heat is.....



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Choose The Correct Alternative And Rewrite The Sentence

1. The force of gravitation between two bodies in the universe does not depend on _____ .

A. the distance between them

B. the sum of their masses

C. the product of their masses

D. the gravitational constant

Answer:





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2. Which of the following is Dobereiner 's triad ?

A. Ne, Ca , Na

B. H_2 , N_2 , O_2

C. Li,Na, K

D. Na, Br, Ar

Answer:



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3. When electric current is passed through a bulb , the bulb gives light because of

- A. electric effect of current
- B. glowing effect of current
- C. heating effect of current
- D. lighting effect of current

Answer:



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4. Which of the following has the highest specific heat capacity?

A. Water

B. Air

C. Soil

D. None of the above

Answer:



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5. The part of the lens through which the ray of light passes without suffering deviation is called _____.

A. Focus

B. Optical centre

C. Centre of curvature

D. Pole

Answer:



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Solve The Following Questions

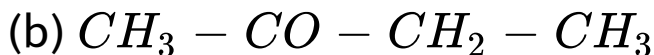
1. Complete following table .

IRNSS		
	Weather study and predict	



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2. Write the IUPAC names of the following structural formulae .



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3. Explain the terms : (a) Ores (b) Gangue .



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4. Distinguish between farsightedness and nearsightedness.



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5. The absolute refractive index of water is 1.36 . What is the velocity of light in water ?
(velocity of light in vaccum is $3 \times 10^8 m / s$).



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6. What is meant by latent heat ? How will the state of matter transform if latent heat is give off ?



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7. Give a scientific reasons: Tungestm metal is used to make a solenoid type coil in an electric bulb.



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8. the gravitation force between two objects is

F. How wil this force change when :

(a) Distance between them is reduced to half.

(b) The mass of ech object is quadrupled .



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9. What is the causes of non - metallic character of elements ? What is the expected trend in the variation of non - metallic character of element from left to right in a period ?



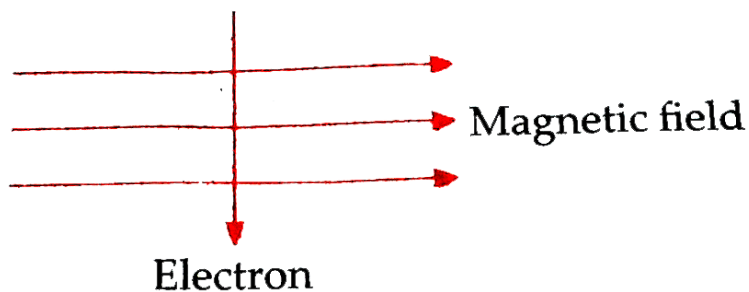
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10. An electron enters a magnetic field at right angle to the field direction .

(a) State the rule to find the direction of force

acting on the electron.

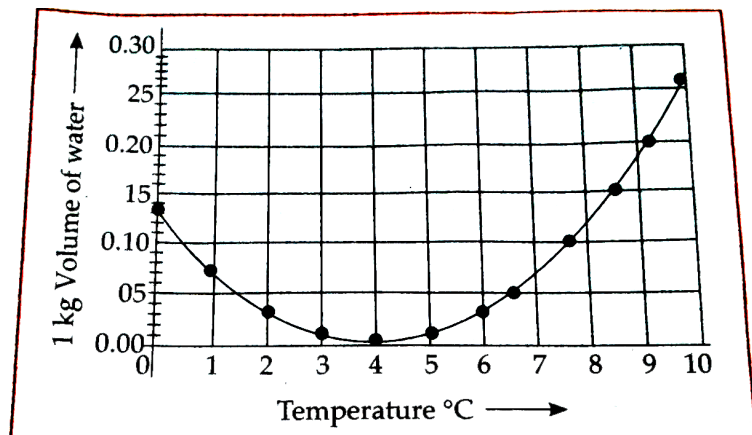
(b) What will be the direction of force acting on the electrons in the above case ?



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11. Observe the following graph. Considering the change in volume of water as its temperature is raised from $0^{\circ}C$, discuss the

difference in the behaviour of water and other substance. What is this behaviour of water called ?



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12. Rainbow formation or Prove that a rainbow is the combined effect of the refraction,

dispersion and total internal reflection of light.



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13. What are Satellite Launch Vehicles ? Explain a Satellite Launch Vehicle developed by ISRO with the help of schematic diagram .



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Solve The Following Questions Any 1

1. Most of the children of a school in a village bring paratha and pickle in their tiffin in school. These children do not shares their food with anyone. Some children bring chapati, fruits, salad , curd vegetable. Those children share their food with each other .

Which acid is present in curd and vinegar used in pickles ?



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2. Most of the children of a school in a village bring parantha and pickle in their tiffin in school. These children do not share their food with anyone. Some children bring chapati, fruits, salad, curd vegetable. Those children share their food with each other.

What class of compounds should be present in our diet?



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3. Most of the children of a school in a village bring parantha and pickle in their tiffin in school. These children do not share their food with anyone. Some children bring chapati, fruits, salad, curd vegetable. Those children share their food with each other.

Which group of children bring unhealthy food?
? Given two benefits of this food.



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4. Most of the children of a school in a village bring parantha and pickle in their tiffin in school. These children do not share their food with anyone. Some children bring chapati, fruits, salad, curd vegetable. Those children share their food with each other.

Which group of children bring unhealthy food?
? Given two harmful effects



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5. Most of the children of a school in a village bring parantha and pickle in their tiffin in school. These children do not share their food with anyone. Some children bring chapati, fruits, salad, curd vegetable. Those children share their food with each other.

Which group of children have better value system and why?



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6. An element is placed in 2nd group and 3rd period of the periodic table, burns in presence of oxygen to form a basic oxide .

Identify the element .



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7. An element is placed in 2nd group and 3rd period of the periodic table, burns in presence of oxygen to form a basic oxide .

Write the electronic configuration.





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8. An element is placed in 2nd group and 3rd period of the periodic table, burns in presence of oxygen to form a basic oxide .

Write the balanced equation when it burns in the presence of air .



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9. An element is placed in 2nd group and 3rd period of the periodic table, burns in presence

of oxygen to form a basic oxide .

Write the balanced equation when this oxide is dissolved in water .



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