

Electromagnetic waves comprise of perpendicular vector called \_\_\_\_  
Electric electromagnetic field component

Light is a form of electromagnetic \_\_\_\_  
Radiation

Electromagnetic waves represent an energy transport system and has associated ----  
Momentum

A perpendicular component of electromagnetic waves mutually perpendicular to the  
direction of wave propagation is  
Magnetic vector

Which of the following cannot be formed from Maxwell's equation  
Refraction force

Which of the following definition is correct for moving charges experiencing force  
proportional to its velocity  
 $F = qv \times B$

Maxwell's equations comprise of partial differential equations which are combined with  
the ----  
Lorentz force law

The electric field can be described by a scalar potential field  $V$ , which is related to the  
electric field by \_\_\_\_  
 $E = - \nabla V$

A magnetic field defined in terms of vector potential field  $A$  can be express as  
 $B = \nabla \times A$

An exert force by charges in a vacuum can be mathematically express as \_\_\_\_  
 $F = qE$

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