

Answer & Explanation

Answer – **3.Energy can't be destroyed**

Explanation :

Law of conservation of energy : Energy can neither be created nor be destroyed but it can be transformed from one form to another form

4. **The pressure exerted anywhere at a point of confined fluid is transmitted equally and undiminished in all directions throughout the liquid is known as**
- 1.Pascal's law
 - 2.Kepler's law
 - 3.Newton's law
 - 4.Stefan's law
 - 5.None of these

Answer & Explanation

Answer – **1.Pascal's law**

Explanation :

Pascal's law is also known as principle of transmission of fluid-pressure

5. **The speed of the light is**
1. 3×10^8 m/s
 2. 2.8×10^8 m/s
 3. 3.3×10^8 m/s
 4. 4.6×10^8 m/s
 - 5.None of these

Answer & Explanation

Answer – **3. 3×10^8 m/s**

Explanation :

Light is a transverse wave

6. **Optical fibre following to carry the information in the form of light**

- 1.Law of scattering
- 2.Refraction law
- 3.Reflection law
- 4.Total internal reflection
- 5.None of these

Answer & Explanation

Answer – **4.Total internal reflection**

Explanation :

Total internal reflection occurs when a propagating wave strikes a medium boundary at an angle larger than a particular critical angle with respect to the normal to the surface.

7. **Twinkling of stars is based upon.....**

- 1.Reflection
- 2.Refraction
- 3.Scattering
- 4.Both Reflection and Refraction
- 5.None of these

Answer & Explanation

Answer – **2.Refraction**

Explanation :

Refraction is the bending of a wave when it enters a medium where its speed is different

8. **Which of the following denotes Ohm's law ?**

1. $I = VR$
2. $R/I = V$
3. $V = IR$
4. $R = VI$
- 5.None of these

Answer & Explanation

Answer – **$3.V = IR$**

Explanation :

Current is flowing through the conductor is direct proportional to the potential difference across its 2 ends.

9. **The process of splitting of a heavy molecules into 2 or more lighter molecules is known as**

- 1.Nuclear Fission
- 2.Nuclear Fusion
- 3.Nuclear Process
- 4.Nuclear reaction
- 5.None of these

Answer & Explanation

Answer – **1.Nuclear Fission**

Explanation :

Fission – an atom splits into smaller parts, discovered by by German Otto Hahn

10. **Depth of the Ocean is measured by**

- 1.Fathometer
- 2.Mariner's Compass
- 3.Radar
- 4.Tachometer
- 5.None of these

Answer & Explanation

Answer – **1.Fathometer**

Explanation :

Fathometer uses sound waves to determine the depth of water.It unit is Fathom

General Science Physics Question paper – Set 1

1. **is also known as law of Galileo**

1. Newton's Second Law
2. Laws of motion
3. Newton's Third Law
4. Newton's First Law
5. All of these

Answer & Explanation

Answer – **4. Newton's First Law**

Explanation :

First law – Everybody retains its state or state of motion until an external force is applied on it

2. **Which of the following is unit of Luminous intensity ?**

1. Mole
2. Candela
3. Kelvin
4. Kilogram
5. None of these

Answer & Explanation

Answer – **2. Candela**

Explanation :

Luminous intensity is a measure of the wavelength-weighted power emitted by a light source in a particular direction per unit solid angle

3. **According to the law of conservation of energy which of the following is true ?**

1. Energy can be created by many methods
2. Energy can't be transformed into any other form
3. Energy can't be destroyed
4. Energy can either be created or be destroyed
5. Both 1 and 3