

11. According to Pascals law the pressure of gas in a vessel is
- |                                               |                                             |
|-----------------------------------------------|---------------------------------------------|
| <u>A.</u> Different in different direction    | <u>B.</u> Same in all direction             |
| <u>C.</u> Same only along opposite directions | <u>D.</u> Same only along normal directions |

**Answer:** Option B

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12. We can produce heat by
- |                                |                              |
|--------------------------------|------------------------------|
| <u>A.</u> Frictional process   | <u>B.</u> Chemical processes |
| <u>C.</u> Electrical processes | <u>D.</u> All of the above   |

**Answer:** Option D

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13. Which one is true for internal energy?
- |                                                                                    |                                              |
|------------------------------------------------------------------------------------|----------------------------------------------|
| <u>A.</u> It is sum of all forms of energies associated with molecules of a system | <u>B.</u> It is a state function of a system |
| <u>C.</u> It is proportional to transnational K.E of the molecules                 | <u>D.</u> All are correct                    |

**Answer:** Option D

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14. Metabolism is the name of a process in which energy transformation takes place within
- |                       |                      |
|-----------------------|----------------------|
| <u>A.</u> Heat engine | <u>B.</u> Human body |
| <u>C.</u> Atmosphere  | <u>D.</u> Laboratory |

**Answer:** Option B

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15. Which one is not an example of adiabatic process ?
- |                                                        |                                             |
|--------------------------------------------------------|---------------------------------------------|
| <u>A.</u> rapid escape of air from a burst tyre        | <u>B.</u> rapid expansion of air            |
| <u>C.</u> conversion of water into ice in refrigerator | <u>D.</u> cloud formation in the atmosphere |



**Answer:** Option c

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