



**VIDYA BHARATI SCHOOL**  
**OLYMPIAD WORKSHEET: MAY 2017**  
**GRADE:IX**  
**SUBJECT:SCIENCE**

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**1. A particle is moving in a circular path of radius r. The displacement after half a complete circle would be:**

- a) Zero      b)  $\pi r$       c)  $2r$       d)  $2\pi r$

**2. A body is thrown vertically upward with velocity u, the greatest height h to which it will rise is-**

- a)  $u/g$       b)  $u^2/2g$       c)  $u^2/g$       d)  $u/2g$

**3. The numerical ratio of distance to displacement for a moving object is –**

- a) always less than 1      b) always equal to 1  
c) always more than or equal to 1      d) equal or less than 1

**4. Suppose a boy is enjoying a ride on a merry-go-round which is moving with a constant speed of 10 m/s. It implies that the boy is which is moving with a constant speed of 10 m/s. It implies that the boy is**

- (a) at rest  
(b) moving with no acceleration  
(c) in accelerated motion  
(d) moving with uniform velocity

**5. Area under a (u - t) graph represents a \_\_\_\_\_ physical quantity.**

- (a) distance      (b) displacement      (c) velocity (d) speed

**6. Which of the following tissues has dead cells ?**

- (a) Parenchyma      (b) Collenchyma      (c) Aerenchyma      (d) Sclerenchyma

**7. Find out incorrect sentence**

- (a) Parenchyma tissue have intercellular spaces  
(b) Collenchyma tissue are irregularly thickened at corners  
(c) Apical and intercalary meristems are permanent tissues  
(d) Meristematic tissues, in its early stage lack vacuoles

**8. Girth of stem increases due to**

- (a) Apical meristem      (c) Intercalary meristem  
(b) Lateral meristem      (d) Vertical meristem

**9. Intestine absorbs the digested food materials what type of epithelial cells are responsible for that**

- (a) Stratified squamous epithelium      (c) Spindle fibres  
(b) Columnar epithelium      (d) Smooth muscles



(a) an exothermic Process (b) an endothermic Process (c) Both (a) and (b) (d) None

\*For more practice material please click:[www.brilliant.org](http://www.brilliant.org);[www.sofolympiadtrainer.com](http://www.sofolympiadtrainer.com);  
[www.olympiadhelper.com](http://www.olympiadhelper.com)