

BCM school Basant Avenue Dugri Ludhiana

Class –7. Subject -Science

Assignment

Q1. Difference between electromagnet and permanent magnet.

Q2. Why MCB is better than an electric fuse?

Q3. Difference between breathing and respiration.

**Q4. Can we use electromagnet for separating plastic bags from a garbage heap ?
Explain**

Q5. The Eucalyptus trees are planted along sewage ponds. Give reason.

Q6 . How can you treat the waste water and can be used?

MCQ

Q7. The amount of heat produced in a wire depends on its

- a) Material**
- b) Length**
- c) Thickness**
- d) All of these**

Q8. We feel hungry after heavy exercise because we need

- a) Oxygen**
- b) Energy**
- c) Food**
- d) None of these**

Q9. Suspended impurities contained by sewage are called

- a) Contaminants**
- b) Sludge**
- c) Grey water**
- d) None of these**

Q10. Which of the following does not represent a chemical change

- a) Burning**

- b) Fermentation**
- c) Turning brown of freshly cut banana**
- d) Freezing of water**

Assertion reason

Q11. ASSERTION: change of water from liquid to steam on heating is a physical change

Reason: the mass during heating remains the same and the change involves a change in composition

Case study

Our muscle cells can also respire anaerobically, but only for a short time, when there is a temporary deficiency of oxygen. During heavy exercise, fast

running, cycling, walking for many hours or heavy weight lifting, the

Demand for energy is high. But the supply of oxygen to produce the energy

is limited. Then anaerobic respiration takes place in the muscle cells to fulfil

The demand of energy:

The cramps occur when muscle cells respire anaerobically. The partial breakdown of glucose produces lactic acid. The accumulation of lactic acid causes muscle cramps. We get relief from cramps after a hot water bath or a massage.

Que. 1) Can muscle cells respire anaerobically?

- (a) True
- (b) False
- (c) None

Que. 2) Which substance causes muscle cramps during strenuous workout or any other hardcore training?

- (a) Lactose acid
- (b) Glucose
- (c) Lactic acid
- (d) None

Que. 3) We get relief from cramps afterand

(a) Hot water bath and massage.

(b) Cold water bath.

(c) Massage.

(d) All of the above.

Que. 4) When is the demand of energy is high in human body?

Que. 5) How is lactic acid broken down?