

	<p><b>BCM SCHOOL BASANT AVENUE DUGRI ROAD LUDHIANA</b>  <b>CLASS – IX</b>  <b>SUBJECT-SCIENCE</b>  <b>ANSWERKEY OF ASSIGNMENT</b></p>
1	c. diffusion
2	a.zero
3	b
4	c
5	Since C is fastest cyclist, it velocity is highest and Slope of displacement time graph will be highest for him Velocity of cyclist in decreasing order $C > A > B > D$
6	0 and 200
7	<p>Factors affecting the rate of evaporation:</p> <ul style="list-style-type: none"> <li>● Surface area: The rate of evaporation increases with increase in surface area.</li> <li>● Temperature: The rate of evaporation increases with increase in temperature.</li> <li>● Humidity: The rate of evaporation decreases with increase in humidity.</li> <li>● Wind speed: The rate of evaporation increases with increase in wind speed.</li> <li>● Nature of the liquid: The volatile compounds evaporate faster than less volatile compounds (liquids).</li> </ul> <p>B will produce more cooling effect because it will absorb more heat from the surroundings for evaporation.</p>
8	<p>(i) Jar A will contain a mixture of hydrogen and nitrogen dioxide gases, as both gases diffuse into each other's jars.</p> <p>(ii) Both jar A and B show lighter reddish brown colour.</p>
9	The water from the wet cloth will get heat energy from the forehead and will evaporate. This causes the fall in temperature. Hence the person's temperature

	comes down and he feels comfortable.
10	Refer uniform acceleration graph in note book