Answer the five questions below by choosing the one, best answer.

1) The phrase ‘Genome sequencing’ means:
   a) Determining the sequence of bases in a genome.
   b) Cutting the genome into pieces.
   c) Exchanging one segment of the genome with another.
   d) Ability to personalize medical care.

2) A modern pH-based genome sequence machine is a
   a) Potentiometric Sensor.
   b) Amperometric Sensor.
   c) Cantilever based sensors.
   d) An optical tag-based sensor.

3) The diffusing species in a pH-based genome sequencer is
   a) A virus.
   b) A protein.
   c) Segment of a DNA
   d) None of the above.

4) The signal in a pH-based genome sequencer after incorporation of each base is a
   a) Steady-state signal.
   b) A transient signal.
   c) A sinusoidal signal.
   d) Depends on the base.

5) Potentiometric sensors need a reference electrode for stable signals. The reference electrodes are
   a) Included in each of the wells.
   b) Included in each of the reference wells, but not within the signal well.
   c) Included in each Chip— a single reference electrode for the entire IC.
   d) Not necessary for the IC technology.

End of quiz. This quiz contains 5 questions.