Hodgkin Huxley reading questions

Total points 1/3

The respondent's email (**sankhla.2@iitj.ac.in**) was recorded on submission of this form.

✗ When a very tiny amount of positive ions flow into a neuron at resting potential, the following happen 0/1

- [x] Sodium conductance increases immediately ✓
- [ ] Potassium conductance increases immediately
- [ ] Sodium flows out of the cell
- [ ] Potassium flows out of the cell
- [x] Sodium flows in to the cell ✓
- [ ] Potassium flows in to the cell
- [ ] More potassium flows compared to sodium
- [ ] More sodium flows compared to potassium

Correct answer

- [x] Sodium conductance increases immediately
- [x] Potassium flows out of the cell
- [x] Sodium flows in to the cell
- [x] More potassium flows compared to sodium

✗ When sufficient positive ions flow into a neuron at resting potential to cause an action potential, the following happen 0/1

- [x] Sodium conductance increases immediately ✓
- [ ] Potassium conductance increases immediately
- [ ] Sodium flows out of the cell
- [ ] Potassium flows out of the cell
- [x] Sodium flows in to the cell ✓
- [ ] Potassium flows in to the cell
- [ ] More potassium flows compared to sodium
- [x] More sodium flows compared to potassium ✓

Correct answer

- [x] Sodium conductance increases immediately
- [x] Potassium flows out of the cell
- [x] Sodium flows in to the cell
- [x] More sodium flows compared to potassium

✓ When temperature is increased, the size (amplitude) of the action potential will 1/1

- (•) Increase ✓
- ( ) Decrease
- ( ) Remain unchanged