

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai
Approved by Pharmacy Council of India, New Delhi. Coimbatore -641035

COURSE NAME: HUMAN ANATOMY & PHYSIOLOGY BP301 T)

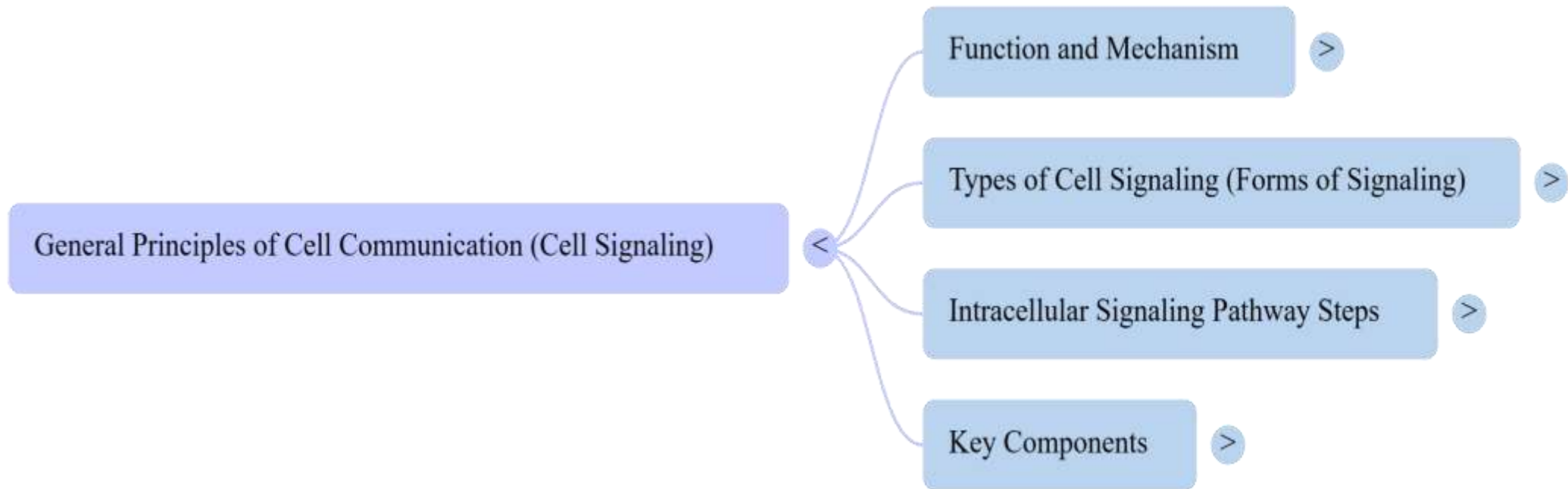
YEAR : I SEM/I YEAR

TOPIC 8 : CELL COMMUNICATION

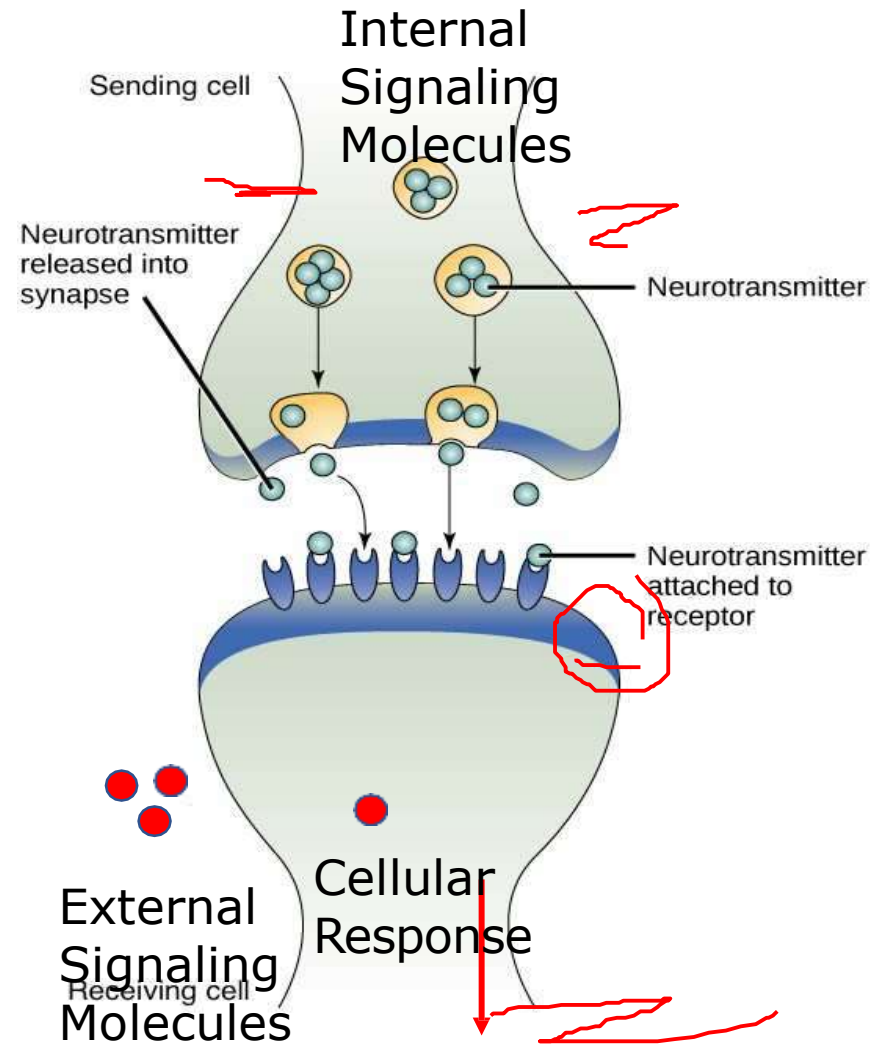
DESIGN THINKING IN CELL COMMUNICATION

- 1.Empathize:** Deeply understand the learner's challenges, needs, and experiences in comprehending cell communication.
- 2.Define:** Reframe the problem based on insights from the empathize phase and establish clear context.
- 3.Ideate:** Brainstorm and explore a wide range of ideas and potential teaching methods, including innovative diagrams or simulations.
- 4.Prototype:** Simulate and build educational models or tools to enhance understanding of cellular processes.

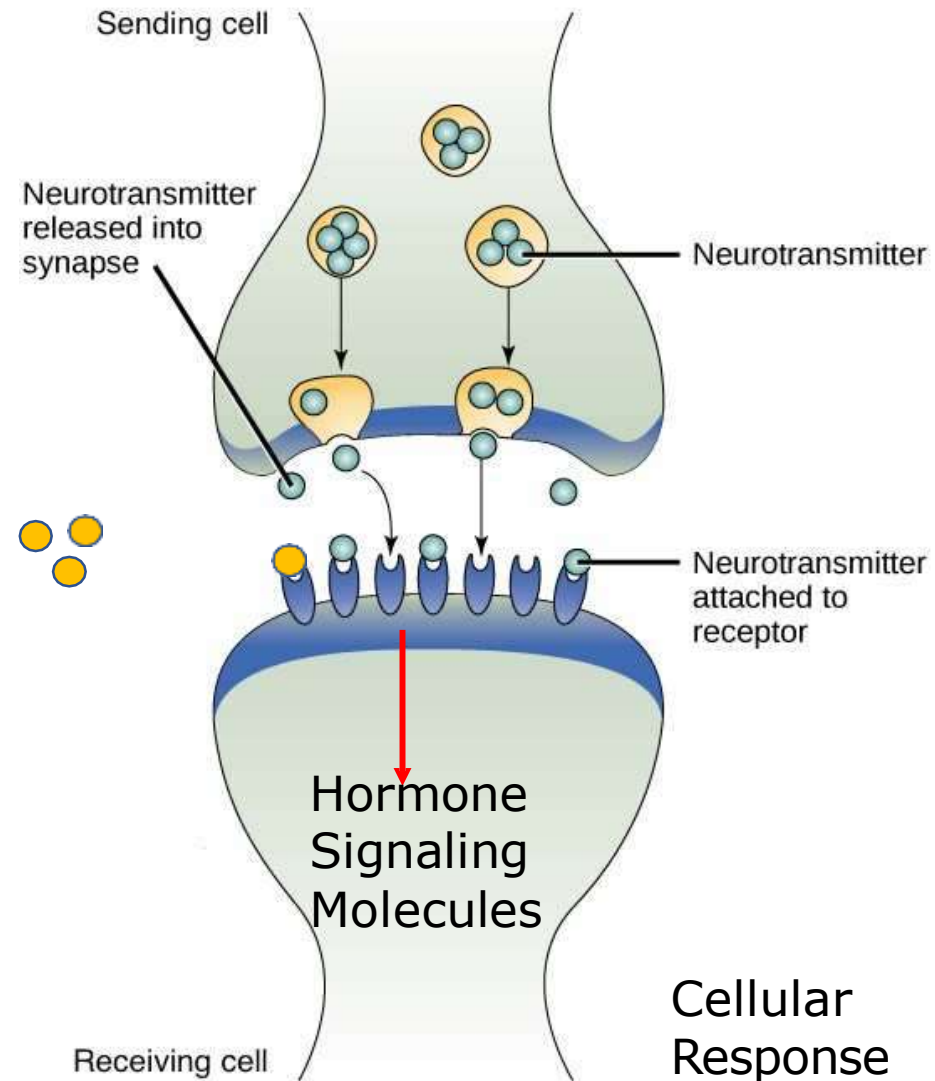
MINDMAP



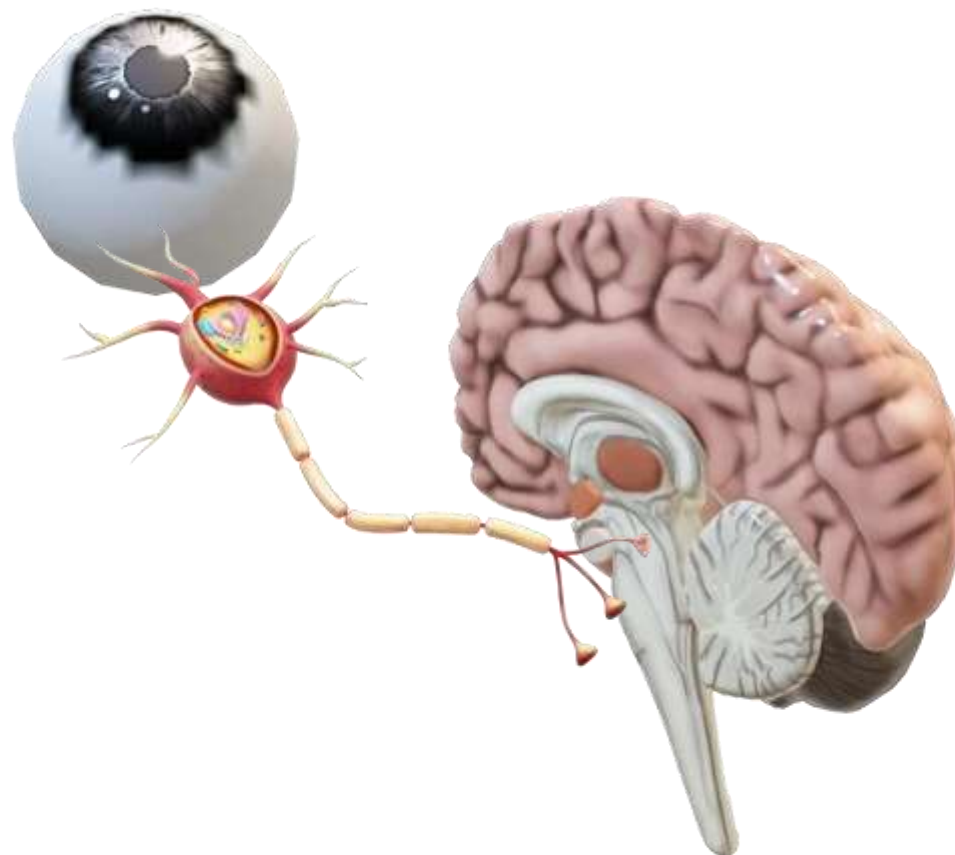
INTRODUCTION



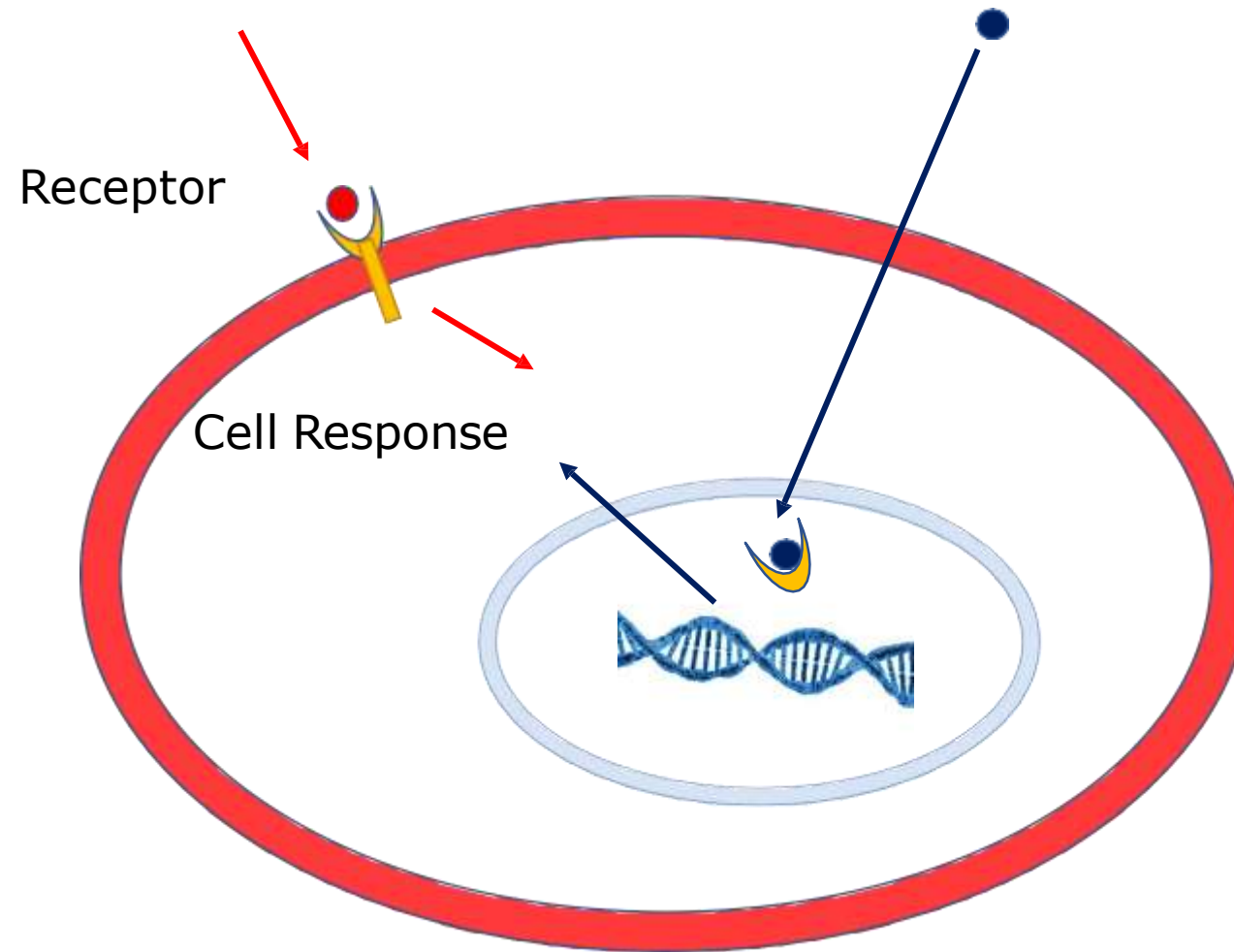
INTERNAL COMMUNICATION



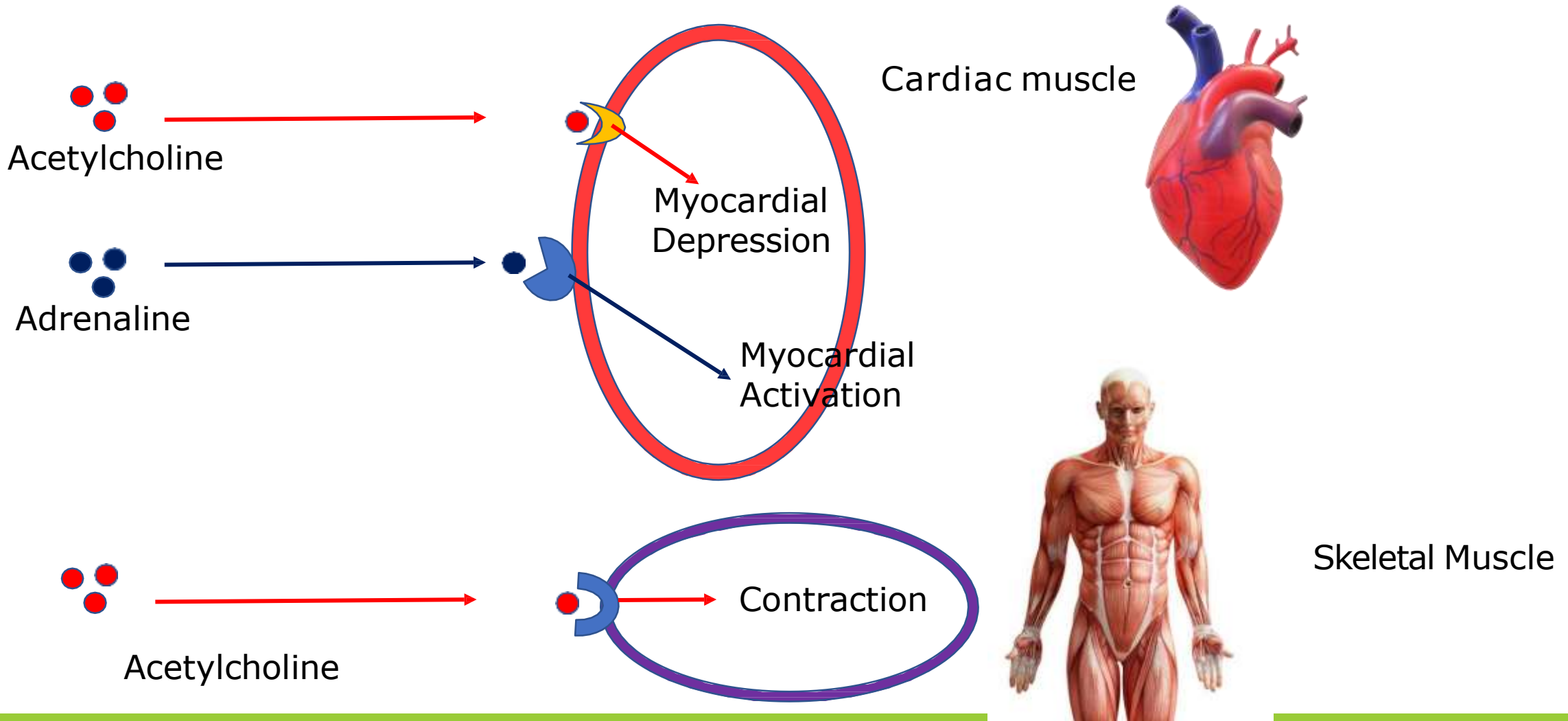
COMMUNICATION WITH EXTERNAL ENVIRONMENTS



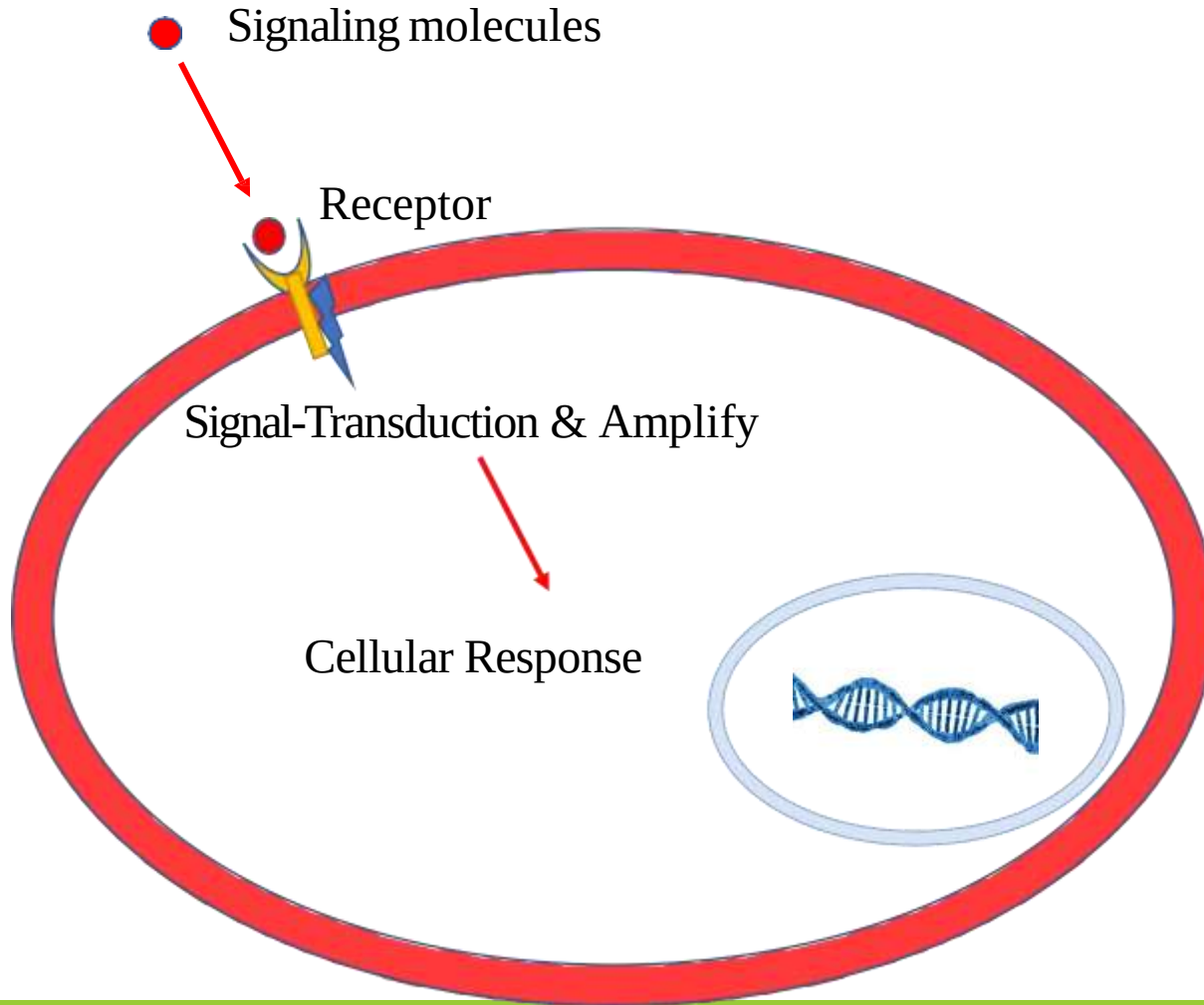
CELL SIGNALING



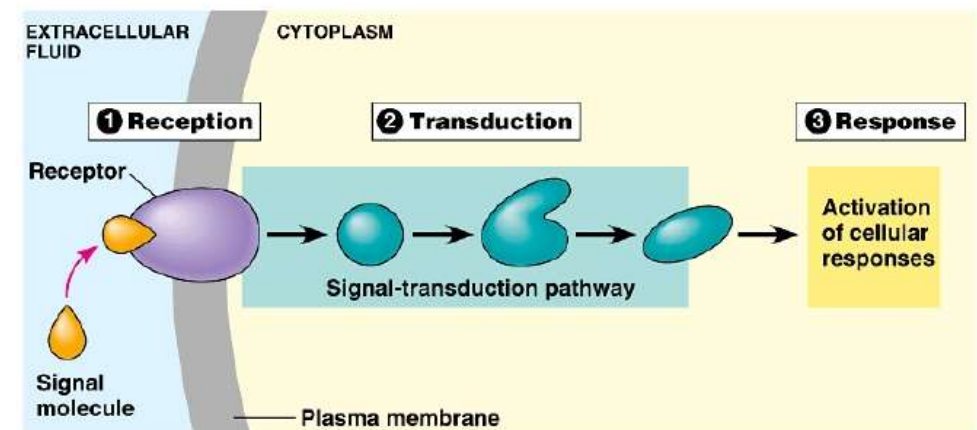
CELL SIGNALING

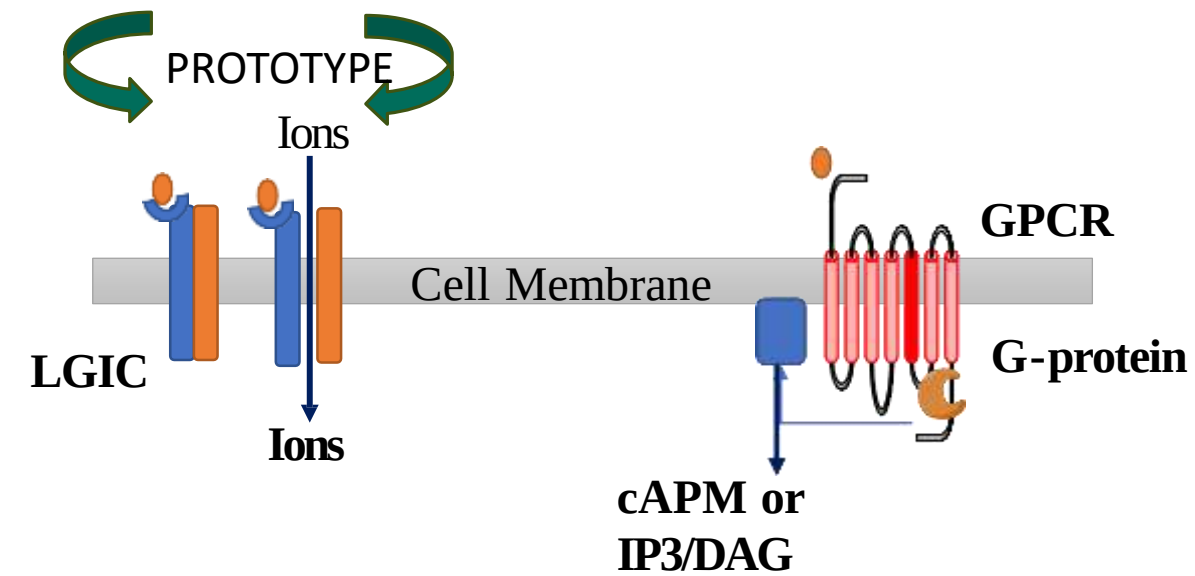


CELL SIGNALING PROCESS

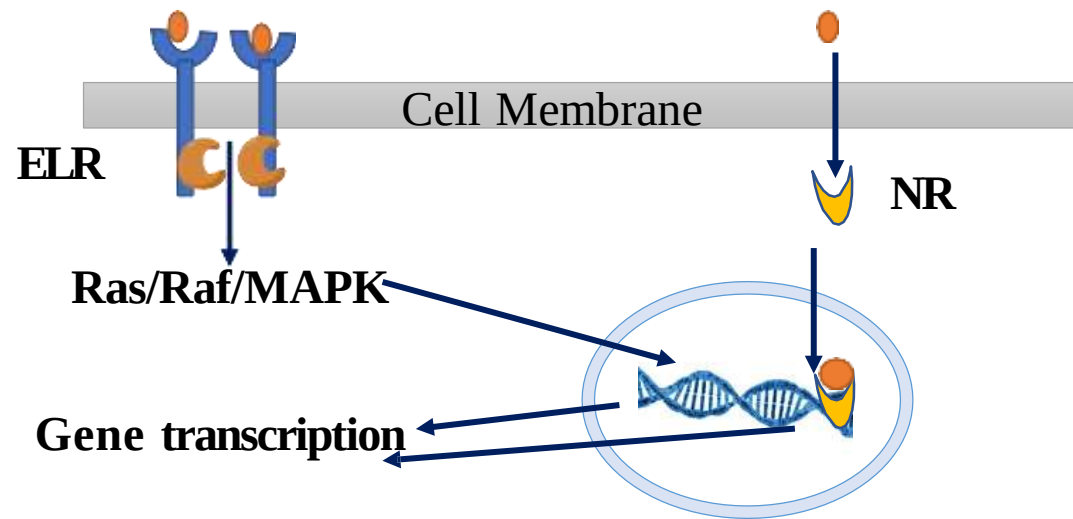


Three Stages of Signal Transduction

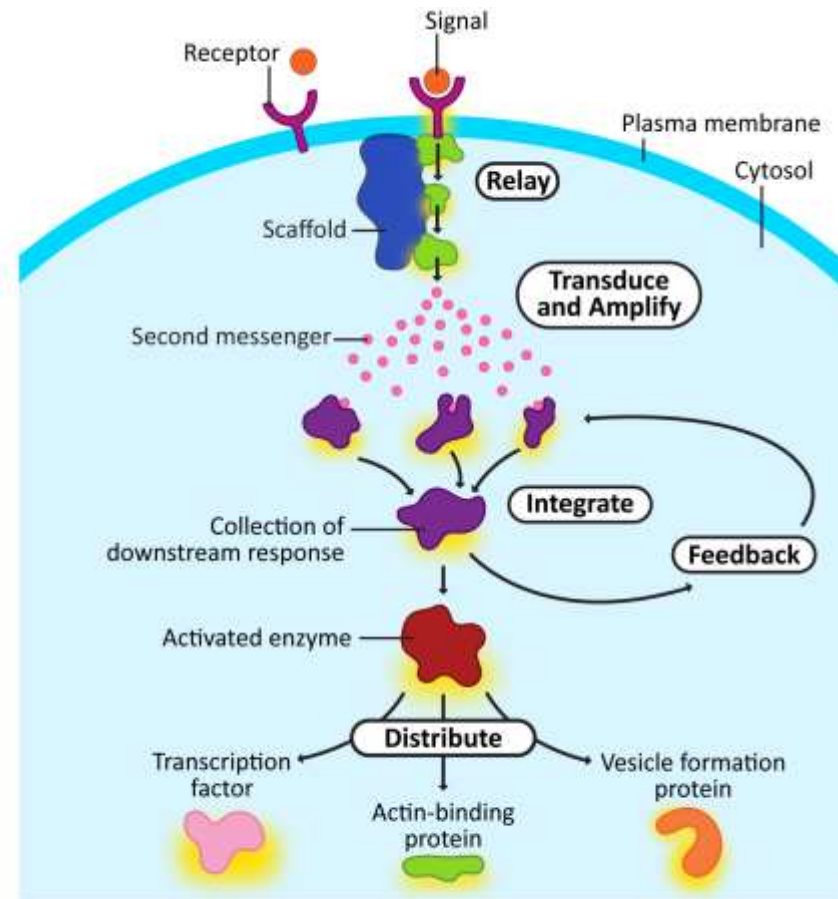




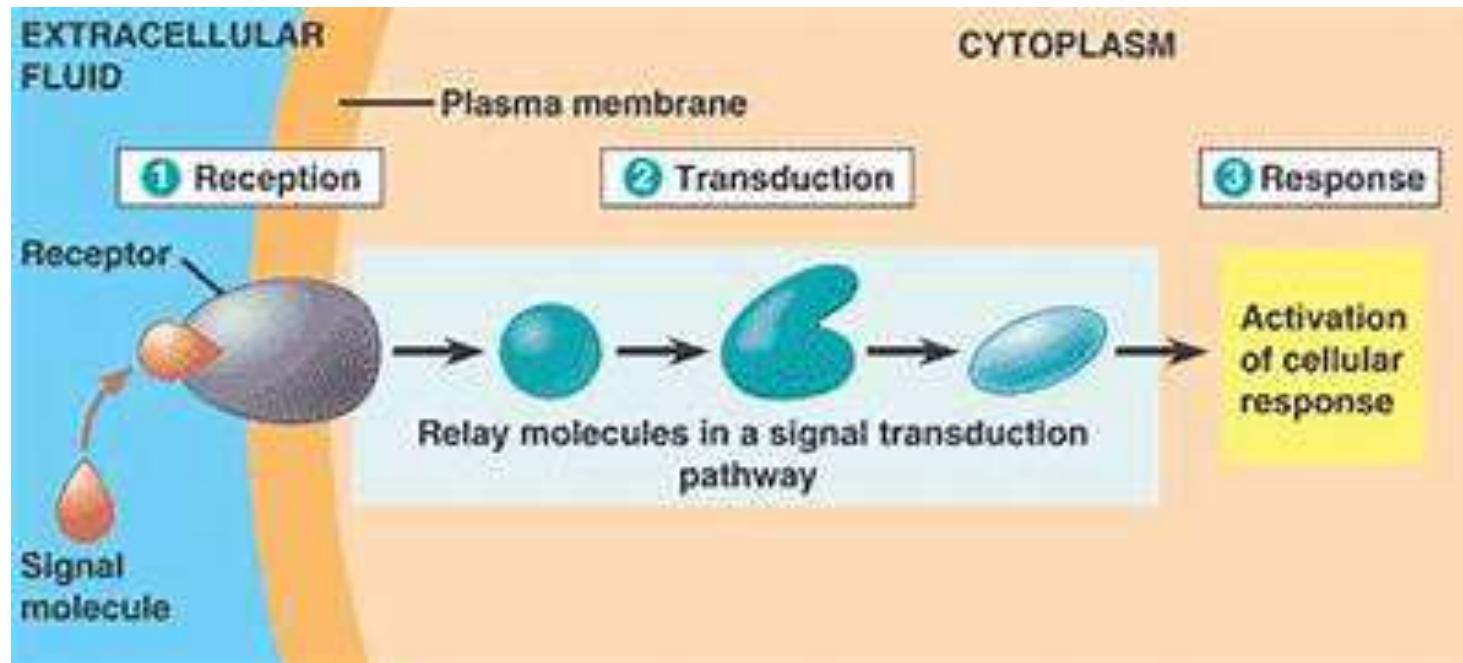
CELL SIGNALLING RECEPTORS



CELL SIGNALING PATHWAYS

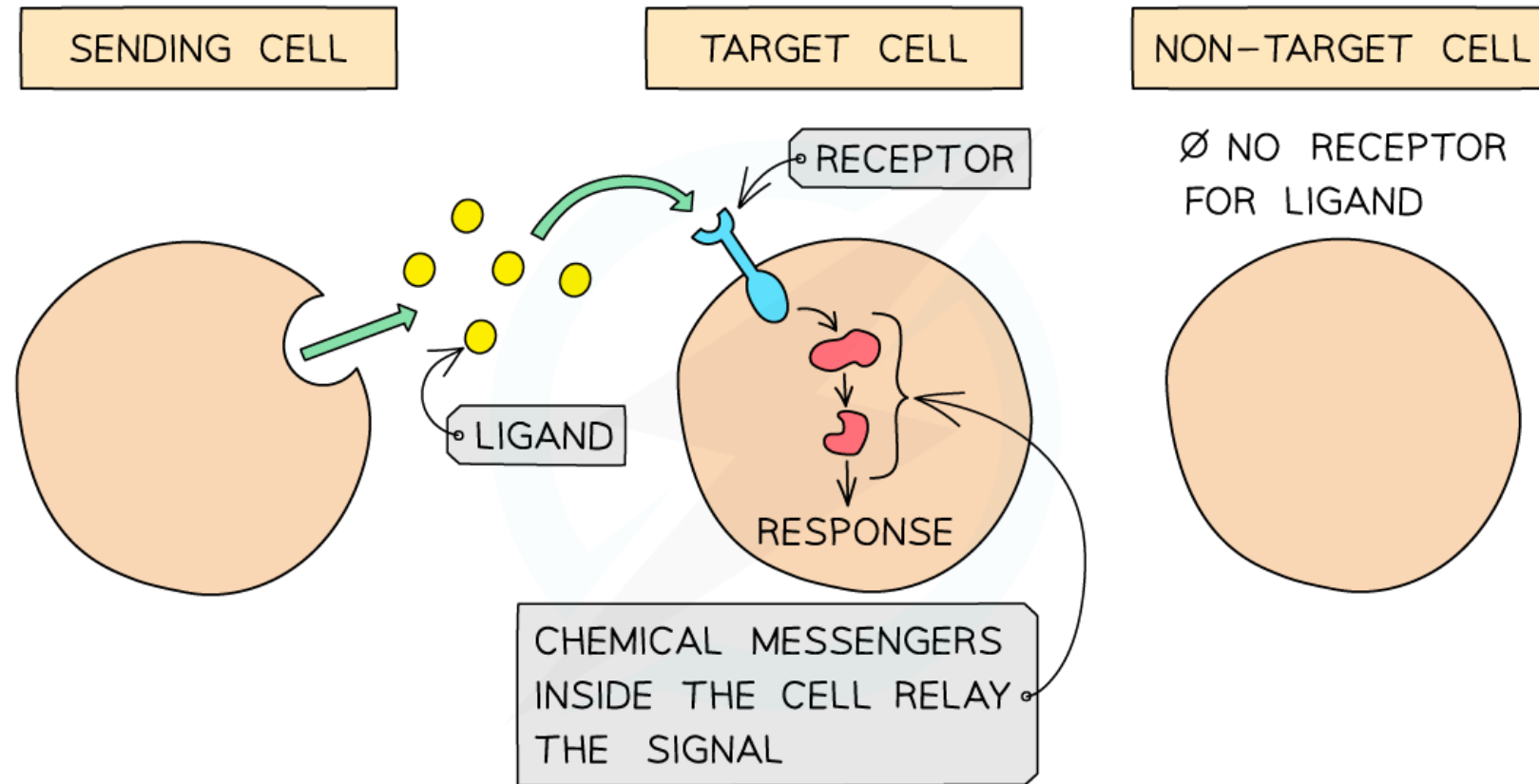


SUMMARY



CLASS ASSESSMENT

FIND THE TYPE OF COMMUNICATION?



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REFERENCE

- ✓ Essentials of Medical Physiology, K. Sembulingam & P. Sembulingam (Jaypee Brothers Medical Publishers)
- ✓ A Textbook of Human Anatomy and Physiology-I, SIA Publishers
- ✓ Human Anatomy & Physiology Gerard J. Tortora & Bryan H. Derrickson (Wiley)
- ✓ Ross and Wilson anatomy and physiology in health and illness, Anne Waugh & Allison Grant.
- ✓ Tortora GJ, Derrickson B: Principles of Anatomy and Physiology, 15th Edition, Wiley, 2017.
- ✓ Marieb EN, Hoehn K: Human Anatomy & Physiology, 11th Edition, Pearson, 2019.

