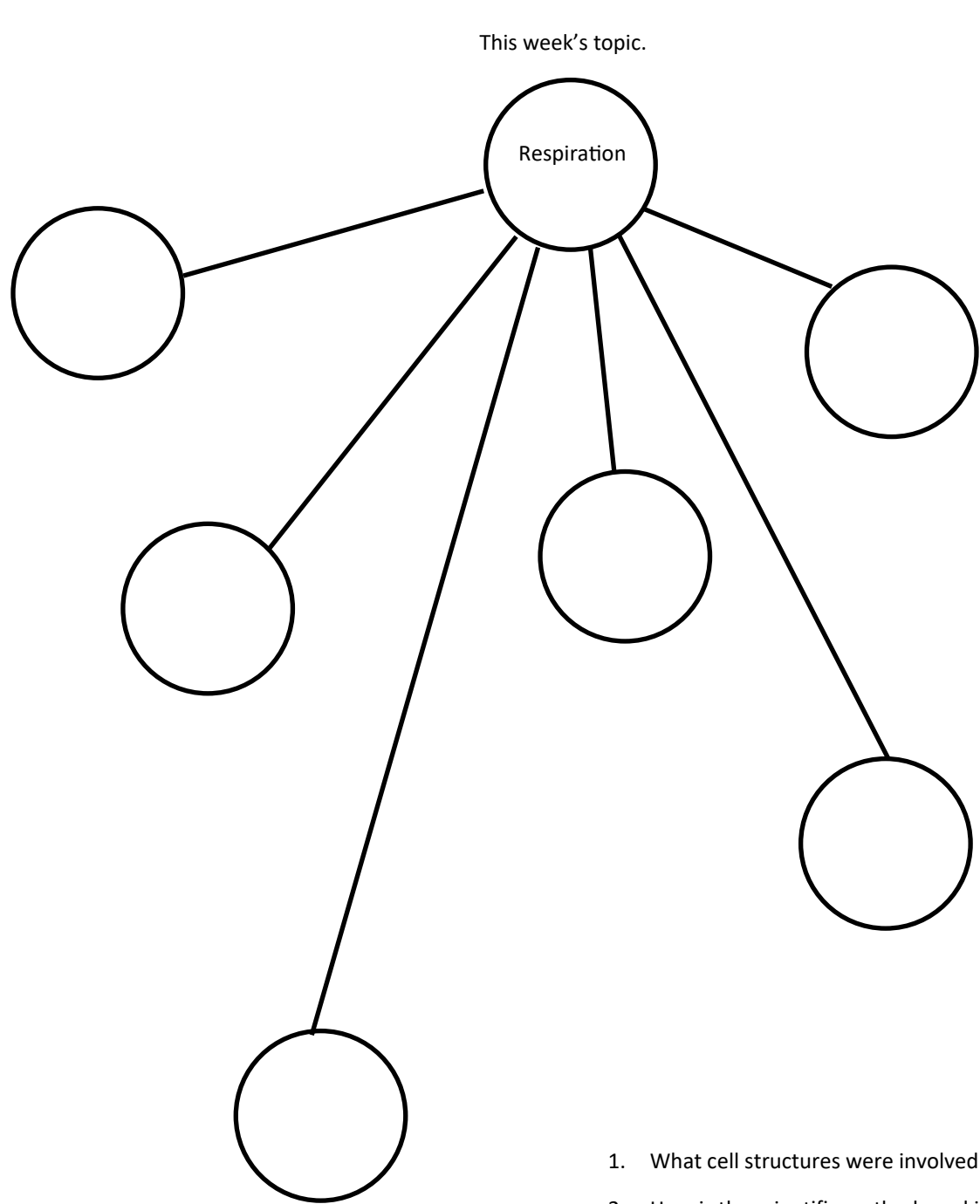


# Connections

Each module in this course is approached as a stand-alone topic, however in reality these topics build upon each other and/or the concepts are critical to understanding the function or process addressed in other modules. Just like in nature where all living things are connected at some level, the concepts covered in these modules connect to each other. These exercises are to be done at the completion of each module to help you make those connections. The bubbles contain the module topics. Your task is to identify the connections and summarize it on the line between the bubbles. Empty bubbles are provided so that you can add additional connections. You may also add additional lines between bubbles to add connecting thoughts.



- Module Topics
- Scientific Method
  - Microscopy
  - Chemistry
    - Properties of water
    - pH
    - Buffers
    - Proteins
    - Carbohydrates
    - Lipids
  - Cells Structure
    - Membranes
  - Enzymes
  - Respiration
  - Photosynthesis
  - Cell Division
  - DNA
  - Biotechnology
  - Plants
  - Evolution

1. What cell structures were involved in respiration?
2. How is the scientific method used in studying respiration?
3. How were buffers used and why?
4. How did microscopy tie in to this module?
5. Which family of molecules is the primary focus of cellular respiration (initial substrate)?