

Flow of Matter & Energy Unit

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Photosynthesis and Respiration will be found in the Cell category in the online textbook, whereas *Biogeochemical Cycles* will be found in the Ecology category.

The screenshot displays the Discovery Education Biology course interface. At the top, there is a search bar and user information for Kristin King. Below the navigation menu, the course title 'Biology' is prominently displayed. The main content area is divided into three columns, each representing a different unit or concept. The first column, 'Introduction to Biology', includes units on 'Process of Science' and 'The Building Blocks of Life'. The second column, 'Cells and Heredity', covers units on 'Cells' and 'Heredity', along with various biological concepts like 'Cell Structure and Function', 'Cell Transport', 'Cell Division', 'Asexual and Sexual Reproduction', 'Cellular Respiration', and 'Photosynthesis'. The third column, 'Living Things', includes units on 'Diversity of Life', 'Plants', 'Animals', and 'Ecology'. A large image of a jellyfish is featured on the left side of the content area.

What you need to know for the EOC

State Performance Indicators

- SPI 3210.3.1 Interpret a diagram that illustrates energy flow in an ecosystem.
- SPI 3210.3.2 Distinguish between aerobic and anaerobic respiration.
- SPI 3210.3.3 Compare and contrast photosynthesis and cellular respiration in terms of energy transformation.
- SPI 3210.3.4 Predict how changes in a biogeochemical cycle can affect an ecosystem.

Practice Tests: <http://www.mrskingsbioweb.com/ExamView.htm>