

**Health Sciences 1111
Module 16 Metabolism
Lab 16**

- Watch the **Laparoscopic Nissen Fundoplication Digital Video**
- Answer the questions on your worksheet

Interactive Physiology

- Open Internet Explorer
- Go to the Health Sciences Website
- Click on the Interactive Physiology Link
 - Login: biomedcorelab
 - Password: waldo
- Click on **Muscular**
- Click on **Muscle Metabolism** icon
- Do pages 1-22
- Take the quiz and answer questions 1-5

- Go back to the Health Sciences Website

Biology Project

- Visit the **Biology Project Web Site** on the lab 16 page
- In the **Metabolism Problem Set** answer the following questions
 - 1 - Glucose Conversion
 - 2 - Products of Glycolysis
 - 3 - Trematol
 - 4 - Dinitrophenol
 - 7 - Pyruvate/Lactate Ratio
 - 8 - Mitochondria
 - 9 - Electron Transport Chain
 - 12 - HexoKinase
 - 13 - Storing usable energy
 - 14 - Terminal electron Acceptor
 - 15 - Metabolism During Heart Attack
 - 16 - ATP Production

Answer the following questions as you view the Laparoscopic Nissen Fundoplication Digital Video.

1. What was the surgery designed to treat?
2. What is used to remove bacteria from the skin?
3. What is the abdomen filled with?
4. Why is the lesser momentum clipped and divided by the scissors?
5. What might "cloud" your field of vision?
6. Which nerve runs over the top and bottom of the esophagus?
7. What is a complication of this surgery?

Graphics for Module 16 Exam
Metabolism graphic from notes

Answer the following questions as you view the Laparoscopic Nissen Fundoplication Digital Video.

1. What was the surgery designed to treat?
REFRACTORY ESOPHAGEAL REFLUX
2. What is used to remove bacteria from the skin?
BETADINE
3. What is the abdomen filled with?
CARBON DIOXIDE
4. Why is the lesser momentum clipped and divided by the scissors?
PREVENT BLEEDING
5. What might "cloud" your field of vision?
BLEEDING
6. Which nerve runs over the top and bottom of the esophagus?
VAGUS
7. What is a complication of this surgery?
DYSPHAGIA