

TOPIC: (Act. 13 data)	DATE:
The human liver.	

ESSENTIAL QUESTION/FOCUS QUESTION: How does the liver help the body stay in balance?

QUESTIONS/SUBTOPICS	NOTES
1. liver facts	1. Weighs over 3 pounds; largest organ except for skin; livers can be transplanted
2. liver functions	2. After food is broken down, blood carries digested substances to the liver; controls what gets stored or filtered out (Like a traffic cop); liver breaks down toxins before they get to they organs; digests fats, regulates cholesterol and sugar in the blood
3. toxins to the liver	3.. Alcohol is a toxin to the liver; too large of a dose of certain medicines can be toxic, too
4. regulate	4.help control; keeping things balanced and responding to changing needs
5. cholesterol	5. Some cholesterol is needed in the body, too much is bad
6. sugar	6. Sugar in the blood is a source of energy; too much or too little is a problem
7. liver damage	7. To many toxins sent to your liver at once will damage it; damage builds up over many top years as the liver works to remove toxins; if a liver is already damaged, small amounts of substance can be toxic in small amounts
8. cirrhosis	8. Scar tissue from liver damage; if it's really bad you will need a transplant.
9. hepatitis	9. Chronic blood disease that attacks the liver
10. medicines	10. Ibuprofen /acetaminophen - too large of a dose can be toxic; effects of medicines (good and bad) would last a lot longer if the liver didn't work so hard at breaking them. down quickly
11. regeneration	11. A liver can regenerate - one half can grow back into a complete liver- no other complex organ can do this

SUMMARY:

homeostasis



