

Video #026:	Heart 101 National Geographic		
Link:	https://www.youtube.com/watch?v=GMB5U-2GK3E&feature=youtu.be		
Level:	1-2 Bach	Variety:	American

Student name: _____ Group: _____ Date: _____

Objectives:

- vocabulary expansion
- biological concepts

BEFORE (5') Activity 1. Choose the right pronunciation and meaning for each of these words:

1. pump	/pump/ - /pamp/	pompa - <u>bombear</u>
2. blood	/blad/ - /blud/	morir - <u>sangre</u>
3. throughout	/truáut/ - /zruáut/	tragar - <u>a través</u>
4. muscle	/másel/ - /máskel/	<u>músculo</u> - mejillón
5. layer	/láier/ - /léier/	<u>capa</u> - tumber
6. tough	/tóug/ - /táf/	rápido - <u>duro</u>
7. chamber	/chámber/ - /chéimber/	<u>cámara</u> - cambiador
8. flow	/flu/ - /flóu/	<u>fluir</u> - soplar
9. lungs	/lungs/ - /langs/	largos - <u>pulmones</u>
10. breathe	/brez/ - /bri:z/	respiración - <u>respirar</u>
11. process	/próuses/ - /próses/	<u>proceso</u> - procesos
12. heartbeat	/hartbit/ - /heartbit/	<u>latido</u> - corazonada
13. relentless	/rílentless/ - /riléntless/	frío - <u>incesante</u>
14. vessel	/vésel/ - /vesél/	<u>vaso sanguíneo</u> - enfermedad
15. vein	/véin/ - /váin/	arteria - <u>vena</u>

LISTENING (10') Activity 2. Complete with some of the words above (or others)

- [0:01] The heart pumps our blood throughout the body carrying oxygen and nutrients to every cell.
- [0:15] The heart is an organ made up of several tough layers of muscle.
- [0:43] Between each chamber are valves that open and close, and help keep the blood moving
- [1:01] The blood enters through the right atrium before flowing to the right ventricle.
- [1:10] There, blood is rejuvenated by air that's breathed in.
- [1:24] The fresh blood is pumped throughout the body before the process repeats itself.
- [1:29] That process happens with every heartbeat and it's relentless.
- [1:57] In contrast, exercise and emotional excitement can also have an impact on a person's heartbeat.
- [2:04] The various blood vessels that comprise the circulatory system are a network of veins, arteries and capillaries that expand over 60,000 miles throughout the body... and the heart is the pump at the center of it.

AFTER (5') Activity 3. Answer these questions correctly:

- How many chambers are there in a human heart? What are their names? → 4: atrium and ventricles
- Name at least two conditions that can disrupt the normal heartbeat. → Myocardial infarction (heart attack), heart disease or hypertension.