

Homeostasis Online Scavenger Hunt



By: [Texas Science Gal](#)

Copyright © 2013 Allison Barkman. All rights reserved by author. Permission to copy for single classroom use only. Electronic distribution limited to single classroom use only.

Hello--

Thank you for downloading my Homeostasis Online Scavenger Hunt. In this download there is one student worksheet provided with three different websites for students to research the different aspects about homeostasis.

This works very well for a period in the computer lab, or if your school has technology such as tablets, netbooks, etc, then the students can type in the link or scan the QR codes to direct them to the link.

So once you printed out the student pages, instruct the students to open up tabs for each of the different websites and that the words on their page is identical to the words on the websites.

I use this as a way to trick my students to reading more about homeostasis. If they are searching for the answers, then they are also having to read the passages as well.

In regards to the QR codes, there are numerous QR code readers available across all devices and they are almost all free.

Enjoy!

Ms. Barkman (Texas Science Gal)

Name: _____ Date: _____ Period: _____

Homeostasis Online Scavenger Hunt

Directions: Go to the following websites in order to fill in the blanks.

http://www.biology4kids.com/files/systems_regulation.html

http://www.kidsbiology.com/biology_basics/needs_living_things/homeostasis7.php

<http://encyclopedia.kids.net.au/page/ho/Homeostasis>

Homeostasis is a big word that biologists use to indicate that an organism needs to keep conditions inside of itself the same, even though conditions outside are always changing. All of your body's systems work together maintain homeostasis inside of your body. Homeostasis is achieved by making sure the temperature, pH (acidity), and oxygen levels (and many other factors) are set just right for your cells to survive. Homeostasis levels are different for each species.

Negative feedback is a process that happens when your systems need to slow down or completely stop a process that is happening. When you eat, food travels into your stomach, and digestion begins. You don't need your stomach working if you aren't eating. Another example of negative feedback occurs when your body's temperature begins to rise and a negative feedback response works to counteract and stop the rise in temperature. Sweating is a good example of negative feedback.

Positive feedback is the opposite of negative feedback in that encourages a **physiological process** or amplifies the action of a system. Positive feedback is a cyclic process that can continue to amplify your body's response to a stimulus until a negative feedback response takes over.

All sorts of factors affect the suitability of our body fluids to sustain life; these include properties like temperature, salinity, acidity (carbon dioxide), and the concentrations of nutrients and wastes (urea, glucose, various ion, oxygen).

This control is achieved with various organs in the body. For example:

Thermal regulation

- The skeletal muscles can shiver to produce heat if the body temperature is too low.
- Non-shivering thermogenesis involves the decomposition of fat to produce heat.
- Sweating cools the body with the use of evaporation.

Chemical regulation

- The pancreas produces insulin and glucagon to control blood-sugar concentration.
- The lungs take in oxygen and give off carbon dioxide.
- The kidneys remove urea, and adjust the concentrations of water and a wide variety of ions.

Name: _____ Date: _____ Period: _____

Homeostasis Online Scavenger Hunt

Directions: Go to the following websites in order to fill in the blanks.

http://www.biology4kids.com/files/systems_regulation.html

http://www.kidsbiology.com/biology_basics/needs_living_things/homeostasis7.php

<http://encyclopedia.kids.net.au/page/ho/Homeostasis>

Homeostasis is a big word that biologists use to indicate that an organism needs to keep conditions inside of itself the 1. _____, even though conditions outside are always 2. _____. All of your body's systems work together maintain homeostasis inside of your body. Homeostasis is achieved by making sure the 3. _____, pH (acidity), and 4. _____ levels (and many other factors) are set just right for your cells to survive. Homeostasis levels are different for each species.

5. _____ is a process that happens when your systems need to slow down or completely stop a process that is happening. When you eat, food travels into your stomach, and digestion begins. You don't need your stomach working if you aren't eating. Another example of negative feedback occurs when your 6. _____'s _____ begins to rise and a negative feedback response works to counteract and stop the rise in temperature. Sweating is a good example of negative feedback.

7. _____ is the opposite of negative feedback in that encourages a **physiological (body) process** or amplifies the action of a system. Positive feedback is a cyclic process that can continue to amplify your body's response to a stimulus until a negative feedback response takes over.

All sorts of factors affect the suitability of our body fluids to sustain life; these include properties like temperature, 8. _____, acidity (carbon dioxide), and the concentrations of nutrients and wastes (urea, glucose, various ion, oxygen).

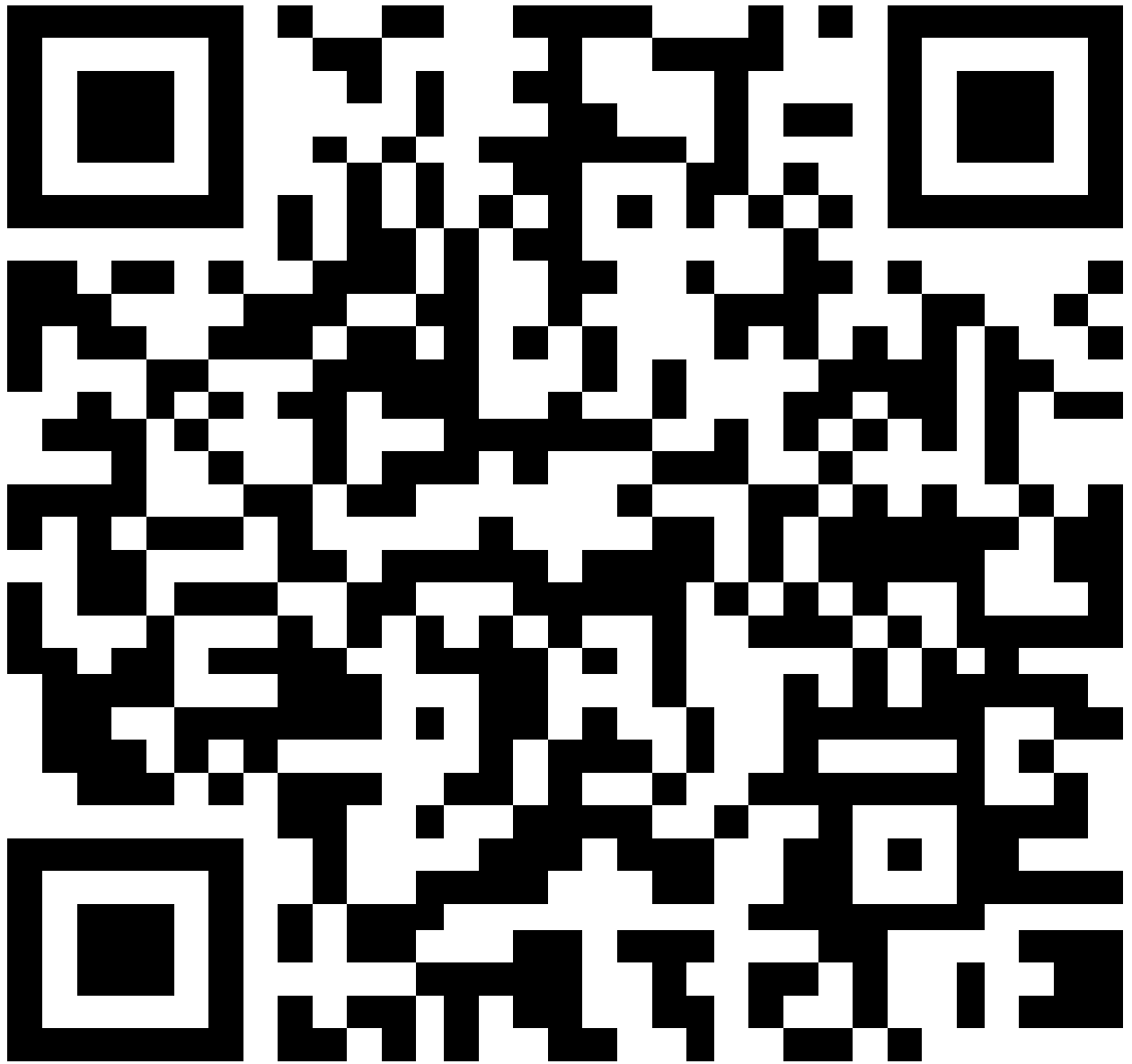
This control is achieved with various organs in the body. For example:

9. _____

- The skeletal muscles can shiver to produce heat if the body temperature is too low.
- Non-shivering thermogenesis involves the decomposition of fat to produce heat.
- Sweating cools the body with the use of evaporation.

Chemical regulation

- The pancreas produces 10. _____ to control blood-sugar concentration.
- The lungs take in oxygen and give off carbon dioxide.
- The kidneys remove urea, and adjust the concentrations of water and a wide variety of ions.







Credits

The 3AM Teacher (Michelle Tsivgadellis)

Blog: <http://the3amteacher.blogspot.com/>

TPT Store: <http://www.teacherspayteachers.com/Store/The-3am-Teacher>

©BrownCow Creatives

{www.teacherspayteachers.com/Store/Emily-Brown}

<http://www.teacherspayteachers.com/Store/Gracies-Graphics>

Theclipartfactory

www.teacherspayteachers.com/Store/The-Clipart-Factory

Websites Used:

http://www.biology4kids.com/files/systems_regulation.html

http://www.kidsbiology.com/biology_basics/needs_living_things/homeostasis7.php

<http://encyclopedia.kids.net.au/page/ho/Homeostasis>

