

Answer Key - YOUR CIRCULATORY SYSTEM

Alphabetical order:

aorta, artery, femoral vein, heart, jugular vein, kidney, liver, lungs, portal vein, veins

What does 'Circulation' mean?

The transport of oxygenated blood through the arteries to the capillaries, where it nourishes the tissues, and the return of oxygen-depleted blood through the veins to the heart, where the cycle is renewed.

Fill in the blank.

1. Arteries take **blood** from your heart to other parts of your body.
2. Your heart pumps your blood through your **circulatory** system.
3. Your **kidneys** are bean-shaped and filter waste products from the blood, which are then passed out of your body as **urine**.

Outcomes:

Science – the human body, the circulatory system

English – word recognition, reading, writing, spelling, alphabetical order, dictionary skills.

Extra Suggested Activity: Capillary action

- http://www.teachingtreasures.com.au/sciencenames/capillary_action.htm

Capillary action is the process which causes liquid in the soil to rise up through roots and stems of plants or water to seep through a sponge. Pick a flower such as a carnation. Carefully slice the stem in half length ways. Place one half of the stem in dark blue coloured water and the other half of the stem in dark red coloured water. You will soon notice the flower becoming half blue, half red. The flower 'sucks up' the water through narrow tubes in its stem. The capillary action overcomes the pull of gravity.

Project

Do the experiment suggested with the carnations. You can also try other things like cotton material, very thin tubes if you can obtain them, also try a wick from a lamp. Drape one end in a full glass of water and place the other end in an empty glass.

