

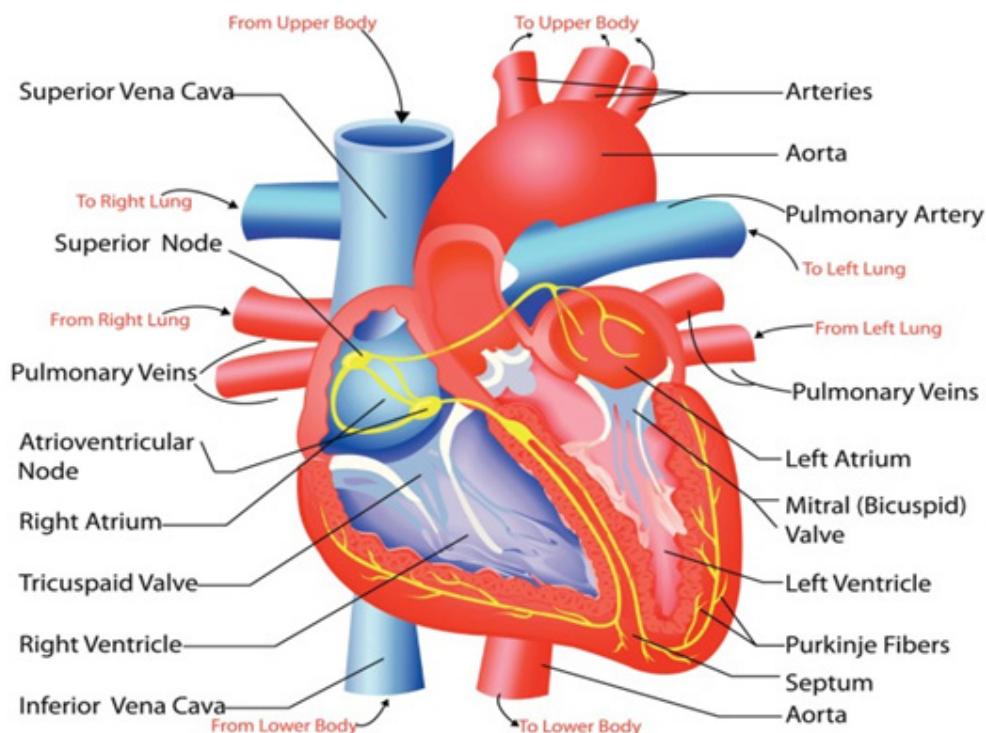
## Human heart

### Worksheet 1 - teacher's notes

1. Look at the idioms with the word heart. Can you guess their meaning? Use the dictionary to help you.

Idiom	Meaning	Sentence
at heart	<i>as one really is by nature</i>	<i>students' own answers</i>
break someone's heart	<i>make someone very unhappy</i>	
by heart	<i>to memorise something</i>	
have a heart of gold	<i>to be very kind and generous</i>	
a heart to heart talk	<i>a frank and personal conversation</i>	
set one's heart on something	<i>want something very much</i>	
take something to heart	<i>be greatly affected, upset or influenced by something</i>	

2. Look at the anatomy of a human heart.



<http://kidsactivitiesblog.com/wp-content/uploads/2012/02/heart-anatomy-for-kids-Kids-Activities-Blog.jpg>

## Human heart

Create a Polish - English dictionary of the terms:

English	Polish
aorta	<i>aorta</i>
artery	<i>tętnica</i>
atrioventricular node	<i>węzeł przedsionkowo-komorowy</i>
atrium	<i>przedsionek</i>
inferior vena cava	<i>żyła główna dolna</i>
lung	<i>płuco</i>
mitral valve	<i>zastawka mitralna</i>
pulmonary artery	<i>tętnica płucna</i>
pulmonary vein	<i>żyła płucna</i>
purkinje fibers	<i>włókna Pukiniego</i>
septum	<i>przegroda</i>
superior node	<i>węzeł zatokowo-przedsionkowy</i>
superior vena cava	<i>żyła górna główna</i>
tricuspid valve	<i>zastawka trójdzielna</i>
ventricle	<i>komora</i>

3. Go online and find the answers to these questions about the heart:

- What is the heart? *a muscular pump*
- What are the functions of the heart? *to propel blood*
- What size is the heart? *of a fist*
- What is the average heart rate per minute? *60-100 beats*
- How many chambers are there in your heart? *4*

*plus students' own answers giving further information*

<http://kidshealth.org/kid/htbw/heart.html#>

<http://www.sciencekids.co.nz/sciencefacts/humanbody/heart.html>

<http://www.pbs.org/wgbh/nova/heart/heartfacts.html>

4. Now look at a short film and see how the heart works: <http://kidshealth.org/kid/closet/movies/CSmovie.html#cat20580>

5. Read the incredible facts about human heart:

<http://www.mercola.com/infographics/human-heart-facts.htm>