



# He brains - she brains: Is there really a difference?

## Pre-computer activities

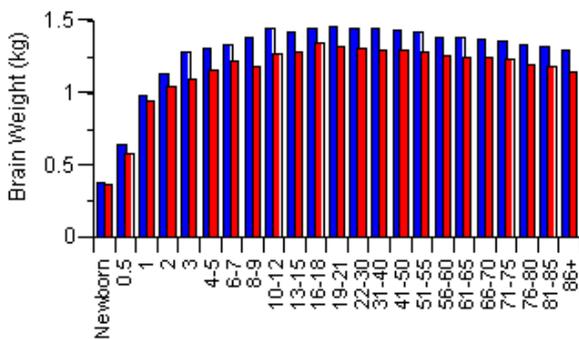
- ❖ Are there any differences in the way boys/men and girls/women behave?  
What do you think? Take 5 minutes to fill in these speech bubbles. Take another 3 minutes to compare your entries with your partner's.

Boys/ Men ...

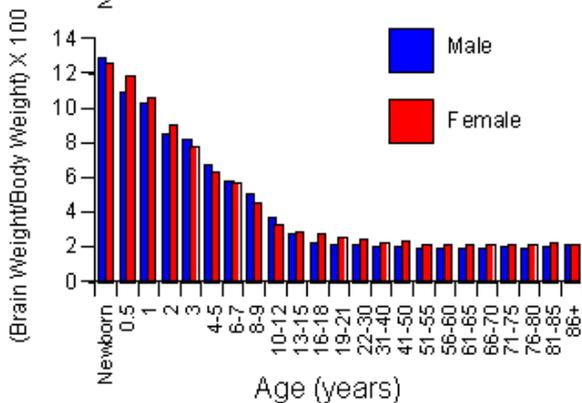
Girls /Women ...

You are not prejudiced, are you ?

- ❖ Have you also heard people say: "Men have bigger brains than women and are therefore smarter?"  
Let's face the facts. Study these two graphs. What do they show? Take 5 minutes to discuss the graphs with your partner. Ask your teacher if you need help. Use a pencil to describe the graphs.



Graph A shows ...



Graph B shows ...

## **Brain size and the Neuroscience for Kids website**

<http://faculty.washington.edu/chudler/heshe.html>

- ❖ Check your answers, correct and reformulate them if necessary.
- ❖ So what about differences in brain size and intelligence? Formulate a reply to the statement quoted above based on these facts.

## **Differences in the corpus callosum and the hypothalamus (part of the diencephalon) ???**

<http://faculty.washington.edu/chudler/heshe.html>

- ❖ Quick revision: Where in the brain is the corpus callosum located? What is its function?

Website: Some scientists say they have found a difference in the corpus callosum of men and women. Which difference?

Website: Comment on this statement!

- ❖ Website: Some areas in the hypothalamus seem to be different in shape and size in males and females. What are these areas responsible for? Look up unknown words in an online dictionary.

Website conclusion: The behavioral and neurological differences between men and women require..... From the current scientific evidence, it appears that differences in many behaviors are related more to ..... between people than to whether people are female or male.

With the help of an online dictionary translate this conclusion into German.  
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- ❖ Which other examinations could be used to find out if male and female brains actually respond differently to the same tasks? Design a test program.

Search for a website using this method and providing possible answers.  
Bookmark this page, present it and the findings in class.