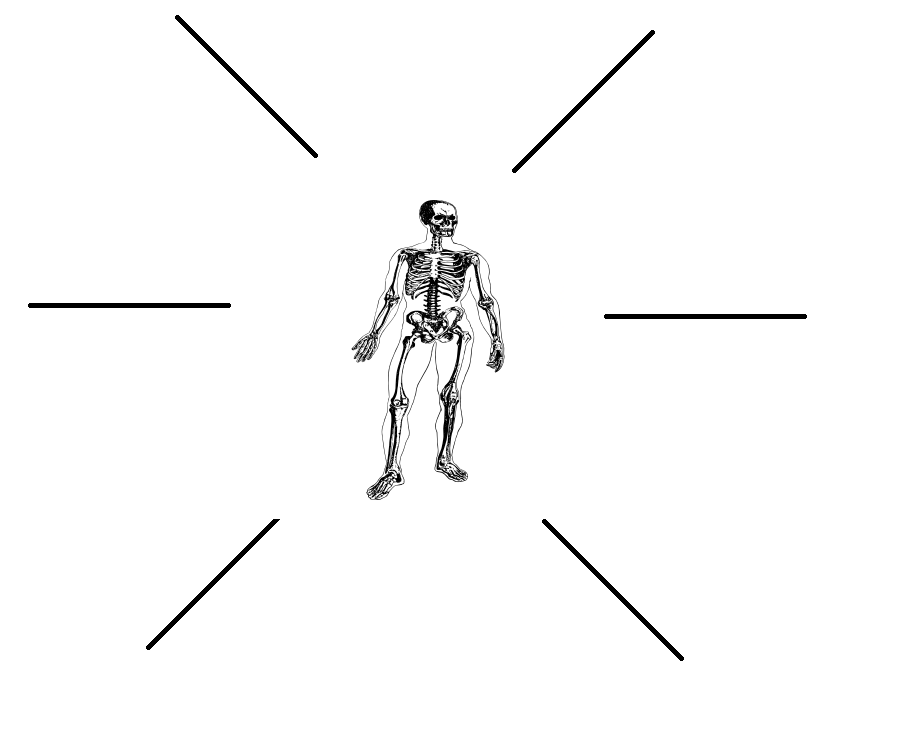
**The human body (Body Worlds Exhibition)**

**Before the movie:**

1. **What do you think of scientists using the bodies of the dead for scientific purposes? Fill in the mind map.  - **

****

(clipart adapted from <https://openclipart.org/detail/286972/skeleton-in-a-body>)

1. **What could be the pros and cons of using the bodies of the dead for scientific purposes? Fill in the table.**

** - **

|  |  |
| --- | --- |
| PROS | CONS |
|  |  |

1. **Translate these words and phrases into your own language. Ask your friends or use a dictionary to help you.**

** - **

odorless – …………………………………………………………….…………………..………………………………………..………………………….……..

invaluable – …………………………….…………………………………………………………………………………………………………………….……..

a layman – ……………………………………………………………………………………………………………………………………………………………

to highlight– *………………………………………………………………………*…………………………………………………………………………………..

craftsmanship – *………………………………….*………………………………………………………..………………………………………………………..

complexity – *………………………………………………………………………………………………..*....…………………..……………………………….

to halt – *………………………………………………………………..*……………………………………………………………………………………………….

to decay – …………………………………………….………………..………………………………………………………………..……………………………

formaldehyde – ….……………………………………………………………………………………………………………………………………………….

arterial system – ..……………………………………………………………….…………………………………………………………………………………

a sinew *–*.…………..……...................................................................................................................................................

to dilute – *…………………………………………………….*…………………………………………………………..…………………………………………..

a tissue (*in a body*) –…….…………….………………………………………………………………………………………………………………………….

impregnation – ……..…………………………………………………………………………………………………………………………………………….

a cell – *…………………………………………..*……………………………………………………………………………………………………………………….

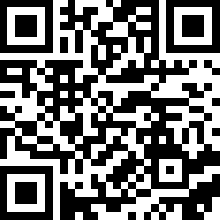
saleable – *……………………………………………………………………………*…………………………………………………………………………………

a workshop – ………………………………………………………………………………………………………………………………………………………..

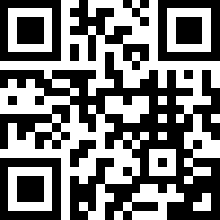
**If you need English definitions you can look them up in OALD 😊**

 [www.oxfordlearnersdictionaries.com](http://www.oxfordlearnersdictionaries.com)

**If you prefer to search for Polish equivalents, use:**

[pl.bab.la/slownik/angielski-polski](http://pl.bab.la/slownik/angielski-polski) 

**or**

[www.diki.pl](http://www.diki.pl) 

1. **Mark the new words with a star** 
2. **Match the words from the list to the human organs they represent. Use a dictionary if necessary.  - **

a brain / a heart / lungs / kidneys / a pancreas / a small intestine / a large intestine / a bladder / a stomach / a liver / a spleen

1 ……………………………………………

11 ……………………………………………

**Obraz zawierający niebo, stół, wewnątrz

Opis wygenerowany automatycznie**

2 ……………………………………………

10 ……………………………………………

9 ……………………………………………

8 ……………………………………………

7 ……………………………………………

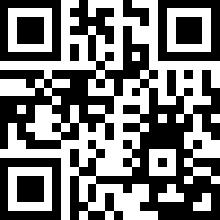
6 ……………………………………………

5 ……………………………………………

4 ……………………………………………

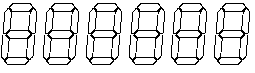
3 ……………………………………………

(clipart adapted from <https://openclipart.org/detail/280284/human-body>)

**BODY WORLDS & The Art of Plastination:** [**https://youtu.be/4UjDDp8Mpcg**](https://youtu.be/4UjDDp8Mpcg)

**During the movie:**

1. **Are the bodies shown in the exhibition real?**a) Yes. b) No. c) I don’t know.
2. **How much time is required to prepare a full body for plastination?**

****hours

1. **Order the stages of plastination, using the provided timeline.**
2. The specimen is hardened with a special gas.
3. The body is placed in a desired pose.
4. The skin and fat are removed.
5. A solution of formaldehyde is introduced into the body’s arterial system.
6. The process of forced vacuum impregnation is performed.
7. Water and fat in the body is replaced by a solvent, using a cold acetone bath.
8. **What’s a sheet plastination? Describe.**

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1. **Are animals also plastinated?**

a) Yes. b) No. c) I don’t know.

1. **Who invented the plastination technique?**
2. Gunther von Haga
3. Gunther von Hagens
4. Gunther von Plasti
5. **Where was the plastination technique invented? Mark the country on the map.**



(map adapted from <https://openclipart.org/detail/6734/europe-outline>)

**After the movie:**

1. **Answer the following questions. Use the Notes section (provided at the bottom of the page) if necessary.  - **
   1. How did you feel when you saw the bodies?
   2. Do you think that it is ethical to show plastinated human bodies on an exhibition? Why / Why not?
   3. Would you be willing to donate your body for plastination after your death? Why / Why not?
2. **What have you learnt during the lesson? Fill in the mind map.**  - 

**NOTES**

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