TENTO PROJEKT JE SPOLUFINANCOVÁN EVROPSKÝM SOCIÁLNÍM FONDEM A STÁTNÍM ROZPOČTEM ČESKÉ REPUBLIKY

**A\_2\_17**

**Pracovní list**

Téma:

**Science and technology II.**

Zpracovala: Mgr. Sabina Vondráková

**Fill in the missing words. Use the words below:**

robotic tested Japanese blind 10

military 2005 bones vehicle arteries

power protect brain 2008 organs

deliver TV carry UK crystals

Harvard 2017 human Israeli

**10. Printing human \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

3D bio-printer already capable of growing \_\_\_\_\_\_\_\_\_\_\_\_\_, heart, teeths and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ possible within \_\_\_\_\_\_\_\_ years.

**9. Big dog**

Dynamically stable quadrupped robot was created in \_\_\_\_\_\_\_\_\_\_ by Boston Dynamics, NASA and \_\_\_\_\_\_\_\_\_\_\_\_ University.

**8. Thought-controlled prosthetics**

Pentagon´s DARPA is currently testing \_\_\_\_\_\_\_\_\_\_\_\_\_ limbs to be controlled by \_\_\_\_\_\_\_\_\_ via an implanted chip.

**7. Wireless \_\_\_\_\_\_\_\_\_\_**

Systems that can \_\_\_\_\_\_\_\_\_\_\_ electricity to devices without the need for wires were showcased back in \_\_\_\_\_\_\_\_\_\_ .

**6. Retinal implants**

Researchers at Germany´s Tuebingen University successfully \_\_\_\_\_\_\_\_\_\_\_ implants allowing \_\_\_\_\_\_\_\_ people to see shapes and objects.

**5. Hologram \_\_\_\_\_\_\_\_\_\_\_**

With prototypes unveiled back in 2006, \_\_\_\_\_\_\_\_\_\_\_\_\_\_ broadcaster NHK plans household hologram TVs by \_\_\_\_\_\_\_\_\_\_ .

**4. Cloaking devices**

Using \_\_\_\_\_\_\_\_\_\_ and metamaterials, scientists in the \_\_\_\_\_\_\_\_\_\_\_ successfully managed to make a paperclip ´invisible´.

**3. Hover cars**

\_\_\_\_\_\_\_\_\_ company Urban Aeronautics currently testing unmanned aerial \_\_\_\_\_\_\_\_\_\_\_ for battlefield evacuations.

**2. Exoskeletons**

Exoskeletons that can enhance \_\_\_\_\_\_\_\_ ability to run, jump and \_\_\_\_\_\_\_\_\_ heavy loads are into their final testing stages.

**1. Force fields**

The UK \_\_\_\_\_\_\_\_\_\_\_\_\_ has successfully tested ´force fields´ (effectively electromagnetic pulses) to \_\_\_\_\_\_\_\_\_\_\_\_ military vehicles.

ANSWER KEY:

**Fill in the missing words. Use the words below:**

robotic tested Japanese blind 10

military 2005 bones vehicle arteries

power protect brain 2008 organs

deliver TV carry UK crystals

Harward 2017 human Israeli

**10. Printing human \_\_*ORGANS*\_\_\_\_\_\_\_\_\_\_\_\_\_**

3D bio-printer already capable of growing \_\_\_***ARTERIES\_\_\_\_\_\_\_\_\_\_,*** heart, teeths and \_\_***BONES***\_\_\_\_\_\_\_\_\_\_\_\_\_ possible within \_\_\_***10***\_\_\_\_\_ years.

**9. Big dog**

Dynamically stable quadrupped robot was created in \_\_***2005***\_\_\_\_\_\_\_\_ by Boston Dynamics, NASA and \_***HARVARD***\_\_\_\_\_\_\_\_\_\_\_ University.

**8. Thought-controlled prosthetics**

Pentagon´s DARPA is currently testing \_\_***ROBOTIC***\_\_\_\_\_\_\_\_\_\_\_ limbs to be controlled by \_\_***BRAIN***\_\_\_\_\_\_\_ via an implanted chip.

**7. Wireless \_\_*POWER*\_\_\_\_\_\_\_\_**

Systems that can \_***DELIVER***\_\_\_\_\_\_\_\_\_\_ electricity to devices without the need for wires were showcased back in \_***2008***\_\_\_\_\_\_\_\_\_ .

**6. Retinal implants**

Researchers at Germany´s Tuebingen University successfully \_\_\_***TESTED***\_\_\_\_\_\_\_\_ implants allowing \_\_***BLIND***\_\_\_\_\_\_ people to see shapes and objects.

**5. Hologram \_\_*TV*\_\_\_\_\_\_\_\_\_**

With prototypes unveiled back in 2006, \_\_***JAPANESE***\_\_\_\_\_\_\_\_\_\_\_\_ broadcaster NHK plans household hologram TVs by \_\_\_***2017***\_\_\_\_\_\_\_ .

**4. Cloaking devices**

Using \_\_***CRYSTALS***\_\_\_\_\_\_\_\_ and metamaterials, scientists in the \_***UK***\_\_\_\_\_\_\_\_\_\_ successfully managed to make a paperclip ´invisible´.

**3. Hover cars**

\_\_***ISRAELI***\_\_\_\_\_\_\_ company Urban Aeronautics currently testing unmanned aerial \_\_***VEHICLE***\_\_\_\_\_\_\_\_\_ for battlefield evacuations.

**2. Exoskeletons**

Exoskeletons that can enhance \_\_***HUMAN***\_\_\_\_\_\_ ability to run, jump and \_\_\_***CARRY***\_\_\_\_\_\_ heavy loads are into their final testing stages.

**1. Force fields**

The UK \_\_\_***MILITARY***\_\_\_\_\_\_\_\_\_\_ has successfully tested ´force fields´ (effectively electromagnetic pulses) to \_\_\_***PROTECT***\_\_\_\_\_\_\_\_\_ military vehicles.