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sociální
fond v ČR



EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání
pro konkurenceschopnost

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

VSTUPNÍ TEST	
Projekt: S anglickým jazykem do dalších předmětů	Registrační číslo: CZ.1.07/1.1.36/03.0005
Tento projekt je spolufinancován ESF a SR ČR	
Klíčová aktivita: KA 4	Předmět: Strojírenství
Tvůrce: Mgr. Libuše Nádvorníková	Datum testu:
Třída (studijní skupina): 4.ST	Jméno žáka:

1. Match the words with correct meanings:

adjustable scanner	vložit
allen key	kladivo
disassemble	šroubovák
hammer	imbusový klíč
insert	kleště
pliers	francouzský klíč
screwdriver	svěrák
vice	rozmontovat

2. Match the words with correct Czech meaning:

crane operator	Části jeřábu, kterými se jeřáb stabilizuje na místě
outrigger	Část jeřábu, na které je zavěšeno břemeno
tower crane	Předmět, který působí svou hmotností na opačné straně než břemeno
lifting hook	Obsluha jeřábu
counterweight	Zdvihací stroj používaný i uvnitř dílny



3. Match the terms with one of the definitions:

title block

often also referred to as "where used" or sometimes "effectivity block", is a list of higher assemblies where the product on the current drawing is used. This block is commonly found adjacent to the title block.

The revisions block

is the main body or main area of the drawing, excluding the title block, rev block, and so on

The next assembly block

is an area of the drawing that conveys header-type information about the drawing.

The notes list

is a tabulated list of the revisions (versions) of the drawing, documenting the revision control.

The field of the drawing

provides notes to the user of the drawing, conveying any information that the callouts within the field of the drawing did not. It may include general notes, flagnotes, or a mixture of both.



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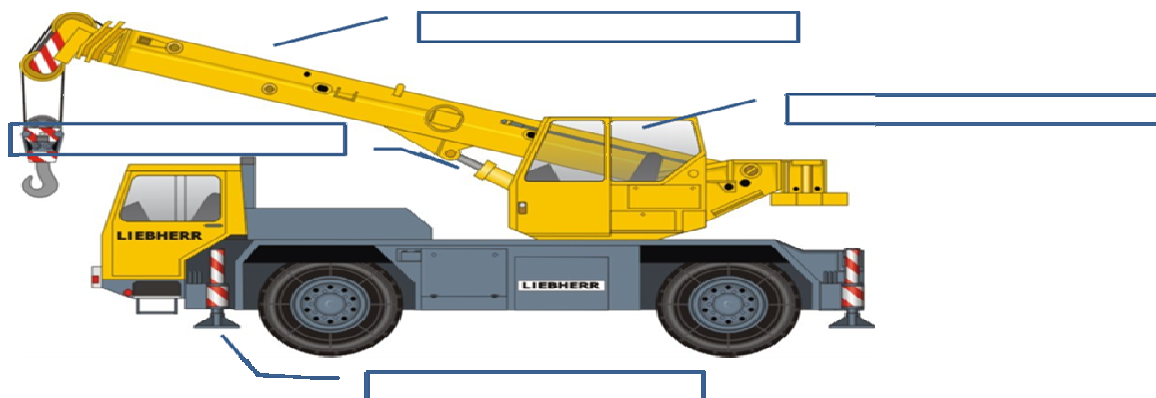


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4. Describe the picture with the appropriate words from the table:

Telescopic boom outriggers elevating cylinder



5. Match the material solution to the pictures:

a) Gas

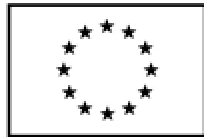
b) loose

c) liquid





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6. Find the suitable definition A, B or C:

Torque is ____

- A) the tendency of a force to rotate an object about an axis.
- B) turning motion is a movement of an object during which the object circle or rotate.
- C) a device consisting of fixed and moving parts that modifies mechanical energy.

7. Find the suitable definition A, B or C:

Tube is ____

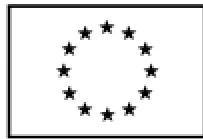
- A) a long, hollow object that is used especially to carry the flow of a liquid or gas
- B) a line of connected pipes that are used for carrying liquids and gases over a long distance
- C) one of the four fundamental states of matter with no fixed shape it conforms the shape of the container

8. Chose the correct description to the car body types:

- | | |
|---------------------------|---|
| 1) <i>Hatchback</i> | large, six-seated passenger compartment |
| 2) <i>Sports car</i> | two-door passenger compartment |
| 3) <i>Four-door sedan</i> | car with a removable roof |
| 4) <i>Limousine</i> | a small truck |
| 5) <i>Convertible</i> | small, two-seated automobile |
| 6) <i>Hardtop</i> | passenger compartment with four doors and four side windows |
| 7) <i>Van</i> | two-door passenger compartment with a door at the back |
| 8) <i>Pick-up truck</i> | small vehicle used to carry baggage |



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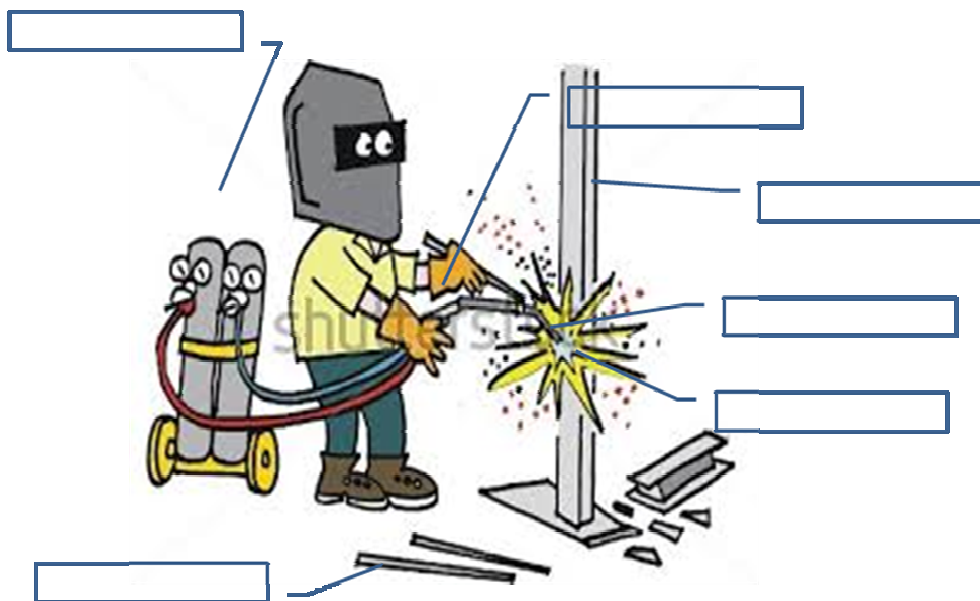
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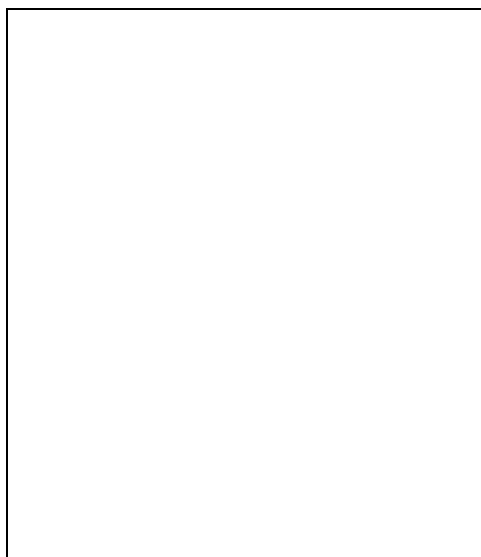
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9. Describe the gaps with the correct words:



10. Match the numbers 1-5 with the correct names below (parts of a ball bearing):

*Balls * inner ring * ball cage * outer ring * sealing ring*



1. _____

2. _____

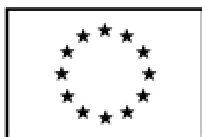
3. _____

4. _____

5. _____



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Read the following text and answer the questions below:

CAD, or computer-aided design and drafting, is the use of computer technology for design and design documentation. CAD software replaces manual drafting with an automated process.

The structural engineers used 2D or 3D CAD programs. These programs can help you explore design ideas, visualize concepts through photorealistic renderings, and simulate how a design will perform in the real world. AutoCAD software was the first CAD program, and it is still the most widely used CAD application.

Most 3D CAD programs let you apply multiple light sources, rotate objects in three dimensions, and render designs from any angle.

Engineers use Autodesk CAD software to design cars, ships, bicycles, prosthetics, and much more. CAD software is also included in Autodesk product suites for building design, product design, factory design, and more.

AutoCAD Mechanical design software is AutoCAD software built for manufacturing. Part of the Digital Prototyping solution, it includes all the functionality of AutoCAD, plus libraries of standards-based parts and tools to help automate common mechanical CAD tasks and accelerate the mechanical design process.

Computer-aided design (CAD) is a computer technology that designs a product and documents the design's process. CAD may facilitate the manufacturing process by transferring detailed diagrams of a product's materials, processes, tolerances and dimensions with specific conventions for the product in question. It can be used to produce either two-dimensional or three-dimensional diagrams, which can then when rotated to be viewed from any angle, even from the inside looking out. A special printer or plotter is usually required for printing of professional design renderings.

The concept of designing geometric shapes for objects is very similar to CAD. It is called computer-aided geometric design (CAGD).

CAD is also known as computer-aided design and drafting (CADD)

1. What does the CAD mean? _____
2. What does the CAD design? _____
3. What was the first CAD program? _____
4. What is required for printing of professional design renderings? _____
5. What CAD programs did the structural engineers use? _____

JMÉNO:

Hodnocení:

Otázka	1	2	3	4	5	6	7	8	9	10	text
Body											

Celkem bodů: