

TOOLS 2
(инструменты 2)

Vocabulary

Word	Translation
glue gun	пистолет для склеивания
fastening	крепление
rapidly	быстро
bond	соединять
alcohol	спирт
oil	масло
grease	смазка
grime	грязь
naphtha	растворитель
lift	удалять
dirt	грязь
magnet	магнит
bench vise	верстачные тиски
secure	закреплять, прикреплять
stereo microscope	стереомикроскоп
magnify	увеличивать
clip lead	зажимной шнур
alligator clips	крокодиловые зажимы
cooler spray	охлаждающий спрей
hardware	оборудование
expose	выявлять
heatsink grease	смазка радиатора
lubricate	смазывать
overheating	перегрев
heat-shrink tubing	термоусадочная трубка
securely	надежно
contours	край, профиль
edge	угол
stick	приклеивать
circuitry	схема; цепь
petroleum product	нефтепродукт
clamp	зажим
shrink	сжиматься, усаживаться
familiar with	знаком с
alcohol solution	спиртовой раствор

purchase	покупать; приобретать
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Glossary

A **glue gun** melts (расплавлять) plastic glue, to affix (скрепление) wires to component surfaces.

Super glue is an adhesive (клей) that can rapidly bond to plastic, metal, rubber (резина), or glass.

Alcohol is a chemical solution (химический раствор) and is used as a cleaning agent (очистительное средство).

Naphtha is a petroleum product and is used to remove dirt from any surface.

A **magnet** is an object that is able to produce an invisible magnetic field which can interact (взаимодействовать) with metals, such as copper, iron, or nickel.

A **bench vise** is a clamp that holds wood or metal in place to be worked on with tools.

A **stereo microscope** is a device that magnifies images with two beams (лучи) of light.

A **clip lead** is a short wire that is used to create an electrical current connection.

Cooler spray is a freeze spray used to expose faulty parts in hardware.

Heatsink grease is a lubricant that prevents (предотвращать) components from overheating.

Heat-shrink tubing is plastic tubing that shrinks (усаживаться) in diameter when heated and is used to repair and insulate wires.

Exercise 1: Listen the text, read and translate it

Classic City, Electric Supply Co

Glue gun Multipurpose fastening for everyday needs

Super glue Rapidly bonds glass, metal, plastic, and rubber

Alcohol Removes oil, grease, and grime

Naphtha Lifts grease and dirt from any surface

Magnet Drives current through metal coils

Bench vise Secures projects to a work bench

Stereo microscope Magnifies images up to 200 times

Clip lead Uses alligator clips on both ends

Cooler spray Rapidly cools hardware and exposes faulty electrical components

Heatsink grease Lubricates and protects overheating

Heat-shrink tubing Securely repairs wires forming to contours and edges

Exercise 2: Questions about the text:

1. What is the name of the company?
2. What is the glue gun used for?
3. What materials can super glue bond?
4. What does alcohol remove?
5. What does naphtha lift from surfaces?
6. How does a magnet work according to the text?
7. What does a bench vise do?
8. How many times can a stereo microscope magnify images?
9. What does a clip lead have on both ends?
10. What is the purpose of cooler spray?
11. What does heatsink grease do?
12. What does heat-shrink tubing do?

Exercise 3: True/False Questions about the text:

1. The company is called Classic City, Electric Supply Co.
2. The glue gun is used for single-purpose fastening only.
3. Super glue can bond glass, metal, plastic, and rubber.
4. Alcohol removes only grease and grime, not oil.
5. Naphtha lifts grease and dirt from any surface.
6. A magnet drives current through plastic coils.
7. A bench vise is used to cut wires.
8. A stereo microscope magnifies images up to 200 times.
9. A clip lead has alligator clips on both ends.
10. Cooler spray is used to heat hardware.
11. Heatsink grease lubricates and protects overheating components.
12. Heat-shrink tubing repairs wires but does not form to contours.

Exercise 4: Match the tool with its function:

Tool	Function
1. Glue gun	A. Removes oil, grease, and grime
2. Super glue	B. Drives current through metal coils
3. Alcohol	C. Secures projects to a work bench
4. Naphtha	D. Magnifies images up to 200 times
5. Magnet	E. Multipurpose fastening
6. Bench vise	F. Rapidly bonds glass, metal, plastic, and rubber

7. Stereo microscope	G. Lifts grease and dirt
8. Cooler spray	H. Lubricates and protects overheating
9. Heatsink grease	I. Rapidly cools hardware
10. Heat-shrink tubing	J. Securely repairs wires

Exercise 5: Fill in the Blanks

Mixed Bank: overheating, glass, contours, grease, Classic City, Electric Supply Co, multipurpose, grease, 200, alligator, bench, coils, electrical components

1. The company is called _____.
2. The glue gun is used for _____ fastening.
3. Super glue rapidly bonds _____, metal, plastic, and rubber.
4. Alcohol removes oil, _____, and grime.
5. Naphtha lifts _____ and dirt from any surface.
6. A magnet drives current through metal _____.
7. A bench vise secures projects to a work _____.
8. A stereo microscope magnifies images up to _____ times.
9. A clip lead uses _____ clips on both ends.
10. Cooler spray rapidly cools hardware and exposes faulty _____.
11. Heatsink grease lubricates and protects _____ components.
12. Heat-shrink tubing repairs wires and forms to _____ and edges.

Exercise 6: Word Bank Fill-in

Mixed Bank: coils, contours, multipurpose, grime, alligator, overheating, glass, lubricates, lifts, magnifies, secures, rapidly

1. The glue gun is for _____ fastening.
2. Super glue bonds _____, metal, plastic, and rubber.
3. Alcohol removes oil, grease, and _____.
4. Naphtha _____ grease and dirt from surfaces.
5. A magnet drives current through metal _____.
6. A bench vise _____ projects to a work bench.
7. A stereo microscope _____ images up to 200 times.
8. A clip lead uses _____ clips on both ends.
9. Cooler spray _____ cools hardware.
10. Heatsink grease _____ and protects overheating components.
11. Heatsink grease protects _____ components.
12. Heat-shrink tubing forms to _____ and edges.

Exercise 7: Correct the errors in these sentences:

1. "The glue gun is used for single-purpose fastening."
2. "Super glue can only bond plastic and rubber."
3. "Naphtha removes oil from surfaces only."
4. "A magnet drives current through plastic coils."
5. "A stereo microscope magnifies images up to 50 times."
6. "Cooler spray is used to heat hardware."
7. "Heatsink grease removes dirt from components."

Exercise 8: Instruction: How to Use Electronic Repair Tools

Word Bank: clip lead, clean, overheating, alligator, alcohol, bench vise, heatsink grease, grease, glue gun, 200, magnet, super glue, stereo microscope, naphtha, electrical components, heat-shrink tubing, coils, cooler spray, contours, securely

1. First, choose a _____ work area.
2. For everyday fastening, use a _____.
3. To bond glass, metal, plastic, or rubber quickly, apply _____.
4. For removing oil, _____, and grime, use _____.
5. To lift _____ and dirt from surfaces, apply _____.
6. Use a _____ to drive current through metal _____.
7. To hold your project securely, use a _____.
8. For detailed inspection, use a _____ to magnify images up to _____ times.
9. Connect components with a _____ that has _____ clips on both ends.
10. To expose faulty _____, use _____ to rapidly cool hardware.
11. Apply _____ to lubricate and protect components from _____.
12. To _____ repair wires and form to _____ and edges, use _____.

Exercise 9: Listen to the dialogue and fill in the missing words

Alex: Hi, Emma! I'm trying to repair my old laptop, but I'm not sure which tools to use. Can you help me?

Emma: Hi, Alex! Of course! What's the problem with it?

Alex: The screen is flickering, and sometimes it just shuts down. I think it might be _____ (1).

Emma: That sounds like a heating issue. First, you'll need to open the case. Do you have a _____ (2)?

Alex: A glue gun? Why do I need that?

Emma: Sometimes laptop cases have glued components. But for everyday fastening, a glue gun is very useful.

Alex: I see. What about the overheating problem?

Emma: For that, you'll need _____ (3). It lubricates and protects overheating components.

Alex: Where do I apply it?

Emma: You apply it between the processor and the heatsink. It helps transfer heat away.

Alex: What if I need to remove some old grease?

Emma: Use _____ (4). It removes oil, _____ (5), and grime from surfaces.

Alex: I also noticed some wires are loose. What should I use?

Emma: For securing wires, use _____ (6). It repairs wires and forms to _____ (7) and edges.

Alex: That sounds perfect! What if I need to bond something?

Emma: Use _____ (8). It rapidly bonds _____ (9), metal, plastic, and rubber.

Alex: I also need to clean some dirty parts. Any suggestions?

Emma: Use _____ (10). It lifts grease and dirt from any surface.

Alex: Great! What about holding small parts while I work?

Emma: Use a _____ (11). It secures projects to a work bench.

Alex: I need to inspect some small components. Is there a tool for that?

Emma: Yes, use a _____ (12). It magnifies images up to _____ (13) times.

Alex: Thanks, Emma! This is really helpful. I'm ready to start the repair now.

Emma: You're welcome! Let me know how it goes. And remember — safety first!

Exercise 10: True/False Questions about the Dialogue

1. Alex is trying to repair his old laptop.
2. Alex's laptop screen is flickering and sometimes shuts down.
3. Emma says the problem is definitely caused by a virus.
4. Emma suggests using a glue gun to open the laptop case.
5. A glue gun is used for everyday fastening.
6. Heatsink grease is used to remove old grease from surfaces.
7. Heatsink grease is applied between the processor and the heatsink.
8. Alcohol removes oil, grease, and grime from surfaces.
9. Heat-shrink tubing is used to bond glass and metal.

10. Heat-shrink tubing repairs wires and forms to contours and edges.
11. Super glue rapidly bonds glass, metal, plastic, and rubber.
12. Naphtha is used to clean dirty parts and lifts grease and dirt.
13. A bench vise is used to magnify images.
14. A stereo microscope magnifies images up to 200 times.
15. Emma tells Alex to forget about safety.

Exercise 11: Write your dialogue based on the provided templates.

Dialogue Template 1: Asking for Repair Advice

A: Hi, [Name]! I'm trying to repair my old [object], but I'm not sure which tools to use. Can you help me?

B: Hi, [Name]! Of course! What's the problem with it?

A: The [problem description]. I think it might be overheating.

B: That sounds like a heating issue. First, you'll need to open the case. Do you have a glue gun?

A: A glue gun? Why do I need that?

B: Sometimes laptop cases have glued components. But for everyday fastening, a glue gun is very useful.

A: I see. What about the overheating problem?

B: For that, you'll need heatsink grease. It lubricates and protects overheating components.

A: Where do I apply it?

B: You apply it between the processor and the heatsink. It helps transfer heat away.

A: What if I need to remove some old grease?

B: Use alcohol. It removes oil, grease, and grime from surfaces.

A: I also noticed some wires are loose. What should I use?

B: For securing wires, use heat-shrink tubing. It repairs wires and forms to contours and edges.

A: That sounds perfect! What if I need to bond something?

B: Use super glue. It rapidly bonds glass, metal, plastic, and rubber.

A: I also need to clean some dirty parts. Any suggestions?

B: Use naphtha. It lifts grease and dirt from any surface.

A: Great! What about holding small parts while I work?

B: Use a bench vise. It secures projects to a work bench.

A: I need to inspect some small components. Is there a tool for that?

B: Yes, use a stereo microscope. It magnifies images up to 200 times.

A: Thanks, [Name]! This is really helpful. I'm ready to start the repair now.

B: You're welcome! Let me know how it goes. And remember — safety first!

Dialogue Template 2: Explaining Tool Uses

A: Can you explain what [tool] is used for?

B: Sure! [Tool] is used for [purpose]. It [function description].

A: What about [another tool]?

B: [Tool] is perfect for [task]. It [function description].

A: How do I use [tool]?

B: First, [step 1]. Then, [step 2]. Finally, [step 3].

A: Is there a specific tool for [specialized task]?

B: Yes, you'll need [tool]. It [function description].

A: Where can I get these tools?

B: You can find them at a hardware store or online. Look for quality brands.

A: How much should I spend?

B: It depends on your budget. But quality tools are worth the investment.

A: Any safety tips?

B: Always wear safety glasses. And don't forget to disconnect the power before starting.

A: Thanks for the information!

B: No problem! Good luck with your project.

Dialogue Template 3: Troubleshooting a Repair

A: I'm having trouble with my [device]. Do you have any idea what could be wrong?

B: Describe the problem to me.

A: It [problem description]. What should I check first?

B: First, check the power supply. It might be faulty.

A: How do I check that?

B: Use a multimeter to test the voltage. If it's dirty, clean it with alcohol.

A: What if that doesn't work?

B: Then check the processor. You might need to apply heatsink grease.

A: How do I apply it?

B: Apply it between the processor and the heatsink. Make sure it's clean.

A: Anything else I should check?

B: Also inspect the wires for damage. Use a magnifier to see details.

A: What if I find damaged parts?

B: You can repair them with heat-shrink tubing or replace them.

A: I think I can handle this. Thanks for your help!

B: You're welcome! Let me know the results.

Useful Phrases for Dialogue Templates

English	Russian
Can you help me?	Можешь мне помочь?
What's the problem with it?	В чем проблема?
I think it might be...	Я думаю, это может быть...
That sounds like...	Это звучит как...
For that, you'll need...	Для этого тебе понадобится...
Where do I apply it?	Куда мне это наносить?
It helps transfer heat away.	Это помогает отводить тепло.
What if I need to...?	Что если мне нужно...?
That sounds perfect!	Это звучит идеально!
Any suggestions?	Есть какие-нибудь предложения?
Great!	Отлично!
Is there a tool for that?	Есть для этого инструмент?
This is really helpful.	Это очень полезно.
I'm ready to start.	Я готов начать.
Let me know how it goes.	Дай знать, как пройдет.
Safety first!	Безопасность превыше всего!
Can you explain what...	Можешь объяснить, что...
How do I use...?	Как мне использовать...?
Where can I get these tools?	Где я могу купить эти инструменты?
Quality tools are worth it.	Качественные инструменты стоят того.
Describe the problem to me.	Опиши мне проблему.
I think I can handle this.	Я думаю, я справлюсь.
Good luck!	Удачи!

Exercise 12: Instruction: How to Repair a Laptop with Special Tools

Word Bank: alcohol, heatsink grease, heat-shrink tubing, stereo microscope, super glue, 200, glue gun, safety, naphtha, disconnect, bench vise, Heat-shrink tubing

1. First, _____ the laptop from the power source.
2. Open the case using a _____ if needed.
3. Apply _____ between the processor and the heatsink to prevent overheating.

4. Use _____ to remove old oil, grease, and grime from surfaces.
5. For loose wires, use _____ to secure them.
6. _____ forms to contours and edges, repairing wires securely.
7. To bond glass, metal, plastic, or rubber, use _____.
8. Use _____ to lift grease and dirt from any surface.
9. Hold small parts securely with a _____.
10. Inspect small components using a _____.
11. A _____ magnifies images up to _____ times.
12. Always remember — _____ first!

Exercise 13: Report: Laptop Repair

Word Bank: alcohol, disconnected, successful, super glue, glue gun, naphtha, heat-shrink tubing, reassembled, bench vise, stereo microscope, heatsink grease

1. I _____ the laptop from the power source.
2. I opened the case using a _____.
3. I applied _____ between the processor and the heatsink.
4. I used _____ to remove old oil, grease, and grime.
5. I secured loose wires with _____.
6. I used _____ to bond a broken plastic part.
7. I cleaned dirty surfaces with _____.
8. I held small parts securely with a _____.
9. I inspected small components using a _____.
10. I confirmed that all components were working properly.
11. I _____ the laptop and tested it.
12. The repair was _____.