Exercise 7. Work in pairs. Make a question for each answer below

1. Energy is measured in many ways. (How?) with reference to the text. Use the question word given in brackets.

2. Heat is a type of energy. (What?)

3. James Joule lived from 1818 to 1889. (When?)

4. Energy has always existed in one form or another. (What?)

5. Warm air rises because it is lighter. (Why?)

7. The directions change during the night time. (When?) 6. It becomes kinetic energy. (What kind?)

8. We use heat for a lot of things. (What ... for?)

Exercise 8. Give words which mean the opposite of those given

sorb, look into, create, turn on. Light, hot, daytime, outside, safe, progressive, final, empty, abbelow.

I. Street lamps use electrical energy to light our way ... night. Exercise 9. Insert prepositions wherever necessary.

possibility of establishing transit of electricity ... Ukraine ... Baltic 9. You should wear light and white clothes ... the summer. 10. There is a stir a pan ... soup ... the stove ... a metal spoon, the spoon will heat up. 8. Energy can be transformed ... another sort of energy. If you a British thermal unit. 7. The meeting was held ... the beginning of Ocoperating ... the reverse direction. 6. A thousand joules is equal ... 5. The pipeline is used ... supplying to European markets instead ... it and possibilities of the transit ... Caspian oil and gas ... EU countries. ... 1818 ... 1889. 4. Ukrainian officials have announced new projects 2. Energy is measured ... joules. 3. English scientist lames Joule lived

Exercise 10. Change the sentences into the Passive Voice.

countries.

ing. 11. We plan to implement the project in three stages. projects. 10. GUEU consortium is developing the project for gas supplyeasily understand the information. 9. The officials have announced new duct heat energy. 7. Our body uses stored energy to do work. 8. You can will transit electricity to Baltic countries through Belarus. 6. Metals condifferent forms. 4. We use the pipeline for supplying oil. 5. Our country body can create or destroy energy. 3. One can find energy in a number of I. Around the world, scientists measure energy in joules. 2. No-

> The sun's rays travel in straight lines are called heat rays. When from the sun to the Earth. space is almost completely empty. There is nothing to transfer the energy

> cooler if you wear light or white clothes in the summer. radiation and lighter surfaces reflect the radiation. So you would be its radiation is absorbed or reflected. Darker surfaces absorb more of the rays move that way, it is called radiation. When sunlight hits the Earth,

> sun's rays, heat rays, light clothes, sunlight, conduction: tors, warm air, daytime, convection, radiation, nighttime, final form, flash light batteries, potential energy, kinetic energy, excellent conduc-Stored energy, nuclear energy, named after, amount of energy, Exercise 3. Translate the following words and word combinations.

Exercise 4. Write the verbs related to the following nouns. Trans-

existence, storage, conduction, radiation, movement, change, heat, trans-Measurement, invention, discovery, weight, transformer, creation, late them.

fer, reflection, absorption, darkness.

the suffixes used to form nouns. Translate them. Exercise 5. Write the nouns related to the following verbs. Define

mate, light, amount, invent, create, feel, replace, travel. Weigh, destroy, occur, apply, recover, convert, substitute, esti-

Exercise 6. Identify by suffixes: a) nouns; b) adjectives; c) ad-

Conversion – convertible – converting; verbs; d) verbal forms. Translate them.

equal – equality – equally;

refinement – refined – refiner;

significance – significant – signification – significantly – signify;

heavy – heavily; availability – available;

exist – existence – existent; recovery – recover – recovered;

heat - heated - heatedly - heater - hot.