IOYCE 5.8.21 Exercise - B \$13) What do you understand by the term friction? Ans-Friction is that force which opposes the relative motion between the two surfaces that are in contact with each other. XIN NO DICO Q14) Give an example to illustrate the existence of force of friction. Ans-If we stop paddling our cycle, it gradually slows down and ultimately it stops after travelling a certain distance. This is due to Frictional force between & cycle and ground.

B.8.21 Date \_\_\_\_\_ • Assignment 1. List the effects of friction. Ans. it Friction opposes motion ii) Friction produces heat in dont iii) Friction causes wear and tear. iv) Priction always acts in a direction opposite to the direction of motion . Hoje out 2. Explain with example how friction opposes motion. De la signarsina sivilà Ans- Friction opposes motion When two objects are in contact of friction to acts in a direction opposite to the motion of the object ... does not move . This means that there is some opposing force between the object and the ground which makes the object not to move. 3. Friction always acts in a direction opposite to the direction of motion. Justify the statement by giving an example. Ans. The force of friction always acts on all the moving objects and its direction is

always opposite to the direction of motion. The force of thiction arises due to contact between surfaces, the english if the friction we puch a box to the might if the friction acts towards the deft. and if we more the box to the deft. and if we more the night or item to motion acts towards the night or item to motion is acts.

4. How can you prove friction l'produces theat? Give an example

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