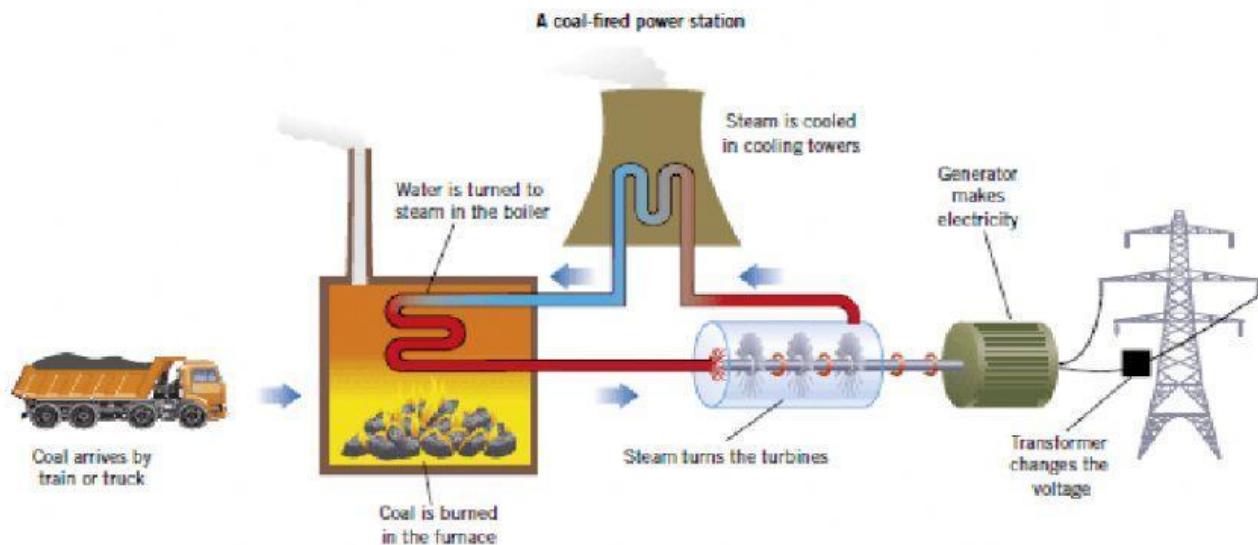


Grade 8 Generating Electricity Lesson Check

Name: _____ Class: _____ Date: _____

Refer to the diagram below to answer the following questions.



- a. What type of energy is stored in coal before burning?

- b. After burning coal in the furnace, harmful gases are produced. List both gases that are released?

- c. What does each gas mentioned in part b cause (within our environment)?

- d. What happens to the steam after it turns the turbines?

- e. If this coal-fired power station releases 55 J of wasted heat energy for every 100 J of energy stored in coal. How much joules of electricity are produced? Show your work.

- f. The turbines turn generators on to make electricity. List the two components that make up generators.
