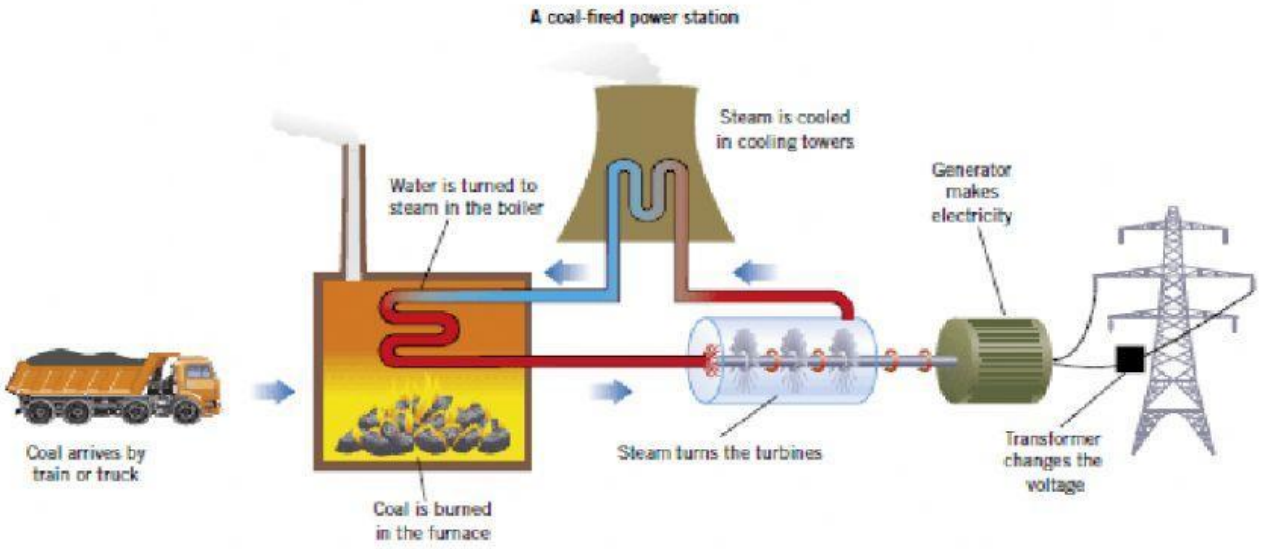
Grade 8 Generating Electricity Lesson Check

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.**

LIVEWORKSHEETS