

*KEY Agricultural Productivity: Then & Now

Name: _____

Inputs (what is used) **and** **Outputs** (what is produced)

<i>chemical fertilizer</i>	<i>crop (corn)</i>	<i>farmer</i>	<i>fertilizer</i>	<i>horse</i>
<i>modern techniques</i>	<i>modified seeds</i>	<i>planter</i>	<i>seeds</i>	<i>tractor</i>

Look at the photos below and categorize the inputs and outputs for each farm.

A FARM IN 1900



Inputs (5): farmer, horse, planter, seeds, fertilizer

Outputs(1): crop (corn)

A FARM IN 2000



Inputs (5): farmer, tractor, modified seeds,
chemical fertilizer, modern techniques

Outputs(1): crop (corn)

Even though each farm has the same number of inputs, one farm produces more crops per acre.

Which farm do you think is more productive? The farm from 2000

Example: A farm in 1900 produced 26 bushels of corn per acre (yield).

A farm in 2000 produced 136 bushels of corn per acre (yield).

What is one way that a farm can be more productive (grow more crops per acre)?

Modified seeds, chemical fertilizer, modern techniques (equipment and methods)
