Production	Possibilities	Frontie
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Also called PPC

- Production Possibilities Frontier (PPF):
 - visual model of _____, ___and ____and _____
 - shows the combinations of _____ goods an economy can possibly produce,
 - given available resources and technology

PPF Example...assume:

- 1 computer takes 100 hrs labor
 - 50,000 labor hrs
- 1 ton of wheat takes10 hrs labor

	Employment of labor hours		Production (PPF)	
	Computers	Wheat	Computers	Wheat
Α	50,000	0		0
В	40,000	10,000	400	
С	25,000	25,000		
D	10,000	40,000		
Е	0	50,000	0	

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The PPF: What We Know So Far

- Points on the PPF (like A − E)
 - _____- all resources fully utilized
- Points under the PPF (like **F**)
 - some resources underutilized
- Points above the PPF (like G)

The PPF and Opportunity Cost

0 100 200 300 400 500 600

Computers

PPF Example

Wheat

(tons) 6,000 5,000

4,000 3,000 2,000 1,000

Our Example...(Assumptions!)

One Resource:

50,000 labor hrs

One Country:

Two goods:

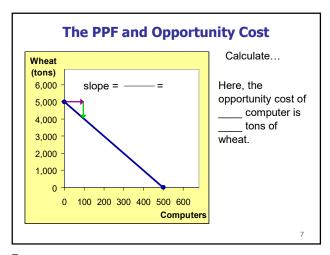
Graph the PPF.

- Recall....opportunity cost...
- Moving along a PPF involves (e.g. labor) from one good to the other. (OS budget constraint)
- Society faces a _____:

Getting more of one good requires _____ some of the other.

Slope of the PPF = _____ of one good in terms of the other.

5 6



The Shape of the PPF

The PPF theoretically could be a straight line, but in reality it's bow-shaped

Depends on the opportunity cost as resources are shifted:
- If opp. cost is _____, PPF is a ____. (budget line)
- If opp. cost of a good rises as the economy produces more of it, PPF is ____.

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Increasing Opportunity Cost

In most cases, land, labor, and capital
______ be shifted from producing one good to another.

Bow-Shaped...Resource Specialization ...Diminishing Returns

PPF:

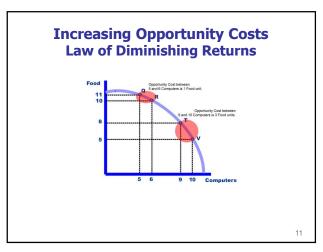
- different workers have different skills
- different types of land suited for different uses
- capital specialization

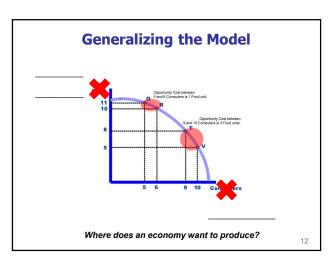
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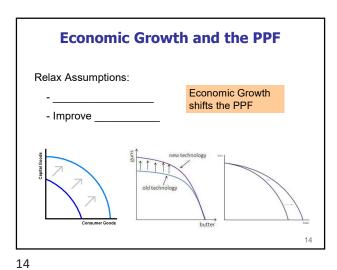
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2

Efficiency

Productive efficiency – ______(technical efficiency)

Allocative efficiency – ______



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