

## **AP<sup>®</sup> Macroeconomics 2002 Sample Student Responses**

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Write in the box the number of the question you are answering on this page as it is designated in the examination.

(a) A reduction in the labor torce participation rate means that the
labor force has become smaller than it otherwise would be.
In turn, this decrease in a available resources
causes a decrease ( left ward shift ) in aggregate
Supply, because fever workers can produce less output.
(b) Because of the counting out effect, an increase in the
government deficit causes inkrest rates to rise. The mechanism
for this is that more bonds must be sold to finance government
spending, reducing their price and forcing interest rates up
to achieve a similar rate of return to bonds.) This increase
in interest rates causes investment to fall (because fewer
investment projects are profitable when compared to the interest
paperents needed to finance them), so the rate at which capital
is produced falls, Decreased capital causes the long-run aggregate
supply curve to decrease (shift left), or at least to make
marcase less than it otherwise would, be cause less capital
means future production possibilities are more limited.
(c) A decrease in the material amount of resources needed
per good means that more goods can be produced with than
before (assuming a fixed rate of resource consumption). This
is equivalent to an outward (right) shift in aggregate supply.
(d) a Increased education is a kind of in creased investment, because
it makes labor resources (people) more efficient. This causes
long run aggregate supply to increase.
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Underson with the first of security timed at its in the sounds
(e) Because GDP = home = consumption + sortings and
GDP = expenditures = consumption to Mrestrum to government spanding + not expending
saving is equal to investment plus government spending and not exports.
Since saving is largely independent of government spending and
not exports, a higher savings rate means that in investment
must-rise. Chesse more money in banks can be lest out
for the purpose of investment among other things). In turn,
investment increases the capital stock and increases long run
aggregal supply.
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Write in the box the number of the question you are answering on this page as it is designated in the examination.

a) V Long-Run Aggregate Supply (LRAS) b/c
o smaller labor supphy.
b) no change in LRAS, 6/c lowered taxes
offects disposable income and oggregate
demand but not LRAS.
c.) 1 LRAS b/c lower production costs.
d.) TLRAS b/c a larger, higher quality
labor forces would be more productive.
e.) no change in LRAS, would only offect
disposable income and is only aggregate
demand.