To our teachers:

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VIDEO ASSESSMENT QUESTIONNAIRE	PROJECT PARTNERS
Name *	slipstream / CREATE
Date * Class *	

What is an Economizer for a Packaged RTU?

All the following questions are based upon information from the video below.
Select the single best answer for each question.
https://www.youtube.com/watch?v=hqCBBsFeRMc&list=PL-mtgGdh8bvj2VBzoYogabVeBvG7qtVNp&index=3&t=89s

1. * Among the following choices, select the one that is not true.
An economizer is part of a packaged rooftop unit that:
a. uses cool outdoor air to cool a building
b. lowers energy consumption and cost
c. automatically opens doors and windows to take advantage of free, cool outdoor air
d. can lower indoor temperatures at a lower cost than an air conditioning unit

2. * Among the following choices, select the one that is not true.
A modern, code-compliant economizer:
a. requires pneumatic actuators
b. requires louver gear placement outside of the air stream
c. will have a digital economizer controller
d. requires low leak damper louvers with sealed blades

3. * The most basic economizer functionality test:
a. uses digital commands to verify the humidity inside the economizer unit
b. checks for the full movement of damper louvers
c. uses a potentiometer to verify the temperature inside the economizer unit
d. requires the operator to manually calibrate damper louver positioning

4. * Many common economizer troubleshooting issues are caused by operators.
Among the following choices, select the one that is not caused by an operator.
a. The damper is temporarily blocked open to guarantee air flow and forgotten.
b. The controller is programmed to the wrong setpoint(s)
c. Ice forms on clogged economizer evaporator coils
d. The damper is temporarily sealed shut to prevent air flow in winter and forgotten

5. * Among the following choices, select the one that is not true.
An HVAC economizer system:

a. will have a mixed air setpoint between approximately 53 ºF – 55 ºF
b. will have an outside air cutoff set to about 62 ºF (dry bulb economizer)
c. may employ both temperature and humidity sensors
d. seldom requires preventative maintenance

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TEACHER ANSWER KEY

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