Pendulum Clock Quiz on Moodle – Extremely Important Matching Terms

#	DB#	Question	Answer
	8541	Match set for 8541 to 8550 Refer to Energy_Systems_keywords.doc. Do some research on pendulum clocks, especially "tall case" or "grandfather" clocks. Choose the term / short phrase that best matches the given statement – all with respect to a pendulum clock energy system. A term / phrase may only be used once. Be sure that you are thinking about technology – energy technology in particular. In some cases you fill in a blank. If an answer seems too trivial -- then you are not thinking! This is a Thinking Quiz!	
	8542	In a tall case clock, you must periodically raise the weights.	Input energy
	8543	In the greater sense, the purpose of the moving clock hands is to give you enough information so that you can make a decision to take some action.	Indicating control
	8544	The Escapement sub-system	Speed control mechanism
	8545	The clock's wooden gears	Power transmission
	8546	One full oscillation of the pendulum, made up of a swing from the at-rest position to the left, then to the right and then back to the at-rest position again, is measured in units of seconds.	Period
	8547	Theoretically, a perfect pendulum would swing back and forth forever. However, because of friction losses, energy must be continuously added to the system a little at a time.	Falling weights
	8548	The time taken for a complete oscillation of the pendulum is a function of the distance from the pivot point to the centre of the "bob". So the period is a(n) _____.	Property of the pendulum
	8549	The bob of the pendulum must be heavy enough to basically make _____ forces too small to worry about in your clock system analysis.	frictional
	8552	The essence of a pendulum clock is to translate a physical characteristic of the pendulum system -- the period -- into a convenient way to "read" the: A passage of time B increase in pressure C change in temperature D none of the given responses	a
	8553	Clock parts rotate against one another – and friction can thus be a problem. To make a wooden works clock, you may want to consider using lignum vitae for bushings because of its self-lubrication properties. True or False?	True
	8554	Kinetic energy may be thought of as "energy of _____". A motion B temperature C position D pressure E mass	A
	8555	Of the following fundamental concepts of technology, which one best matches the oscillating "bob" of a pendulum clock? A function B safety C material D mechanism E system.	C
	8556	Potential energy may be thought of as "energy of _____". A motion B temperature C position D pressure E mass	C

Matching Terms

compression
Falling weights
frictional
gravitational
Indicating control
Input energy
Period
Power transmission
Property of the pendulum
Speed control mechanism

DB# Column – Unique identifier in my Moodle Quiz System