



























































 Quiz – Ergonomics

 Ergonomics can be defined as:

 Fitting the job to the person

 Fitting the person to the job

 Working harder, not smarter

 Working smarter, not harder

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Personal Health and Wellness 33 Menu > Factors · Adequate diet and nutrition Body weight control Stress management Smoking cessation Blood pressure control Adequate rest from sleep and · Fluid intake to avoid getting dehydrated > Factors under our control Personal physical fitness and health and wellness USDA United States Dev Agricultural Research Service

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USDA

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Step One – Identify Task 35 Menu > First step is to USDA ARS MWA La identify workstation USDA ARS tory Erg or task want to the USDA ARS analyze Existing workstation or task New workstation
 Equipment furniture
 Other issue (describ One that is new USDA Agricultural Research Service 35







































> Leg/Foot Clearance Foot Support · Foot ring primarily there to help you get on and off seat of stool · Adjust footrest height Footrest and foot ring should be about same height artment of Agriculture Agricultural Research Service 50



















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Quiz – Workbenches and Stools	
When performing precision tasks at a fixed	
height workbench of 36" your elbows should be:	
☐ Four to 6 inches above the workbench height	
At or slightly below (1 to 2 inches) below elbow height	
Four to 6 inches below elbow height	
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Agricultural Research Service	





















 Quiz - Pipetting

 When pipetting you can prevent twisting and bending

 of the wrist, neck and arms by adjusting the height and

 position of tools and equipment by:

 Positioning solution container outside your reach

 Keeping waste receptacles at a low height; no higher than

 top of tube being filled

 Working with your arms away from your body

 Elevating your arms without support for lengthy periods

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Test Tube Handling Tips **Test Tube Handling Tips** 87 88 Menu > Body posture Menu > Cap Removers · Adjust chair properly to provide Use cap removers to minimize adequate back support pinch grip and stress on fingers Remove chair arms if interfere with Example is Gilson's Jimmy ability to get close to work microtube opener > Arrange tubes https://www.pipettesupplies.com/pr oduct/jimmy-microtube-opener-for-pipetman-pipettes-3-pack-gilson/ > Open/close test tubes · Use both hands to open and close > Automatic/powered · Rotate cap in one direction with one capping/decapping equipment hand while rotating tube in opposite · If screwing many similar direction with other hand microtubes, automatic/powered capping and de-capping equipme USDA USDA may be appropriate Agricultural Research Service Agricultural Research Service 87 88













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Quiz – Material Handling

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If possible, it makes sense to consider use of lift assistive devices for material handling jobs that justify their need (heavy items that must be transported frequently). True False

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