Soil Temperature Protocol Test

Date Performance Is measured Level of Performance (see below) Student activity & Level of Performance + appropriate student performance - inappropriate student performance n.a. not appropriate or not observed												
Select a Site		/										
Select relatively flat, non compacted sunny area - 5 m diameter w/ uniform characteristics												
Note if it has rained with past 24 hours												
Preparation & Calibration	/	/										
Insert thermometer into wooden block so 7 cm extends beyond bottom of block	/	/										
Calibrate thermometer using atm. calibration thermometer												
If > 2°C difference reset thermometer per mfg's directions												
Soil Temperature Measurements		/										
Make pilot hole 5cm deep using nail	/	/										
Remove nail using twisting motion												
If ground cracks / bulges, move 25 cm; retry												
Insert thermometer into block to 7 cm		/										
Insert block + thermometer into pilot hole												
Record temp at 2 min.; repeat at 1 min. intervals until consecutive reading are 0.5 - 1.0°C; record on data sheet	/											
Remove block + thermometer using twisting motion; remove thermometer from block	/											
Insert thermometer into pilot hole to 12 cm.												
Record temp after 2 minutes; repeat at 1 minute intervals until consecutive reading are 0.5 - 1.0°C; record on data sheet												