

Teacher Guide for Student Worksheet 1-Collecting Evidence

Directions: Study both the text and the images on the following student handouts. Record the major problems that workers in the Pittsburgh steel mills faced as discussed in the text. Study the corresponding images and write down what problems you see in the work place. Focus on the men's equipment and clothing.

Student Handout Number	Text Analysis from the Pittsburgh Survey	Image Analysis from Lewis Hine's Photography
Handout 1	<p>Suggested responses may include: <i>Poor air quality Air has ore and other mineral particles Workers have throat problems Workers get tuberculosis and catarrh</i></p>	<p>Suggested responses may include: <i>Air appears dusty Many workers in small area Limited ventilations – no windows or fans to remove the dust</i></p>
Handout 2	<p>Suggested responses may include: <i>Workers had hearing problems Mills very noisy Vibration of machinery also causes nervous condition Men operating cutting machinery without gloves</i></p>	<p>Suggested responses may include: <i>Men working without any protective on their ears Large machinery going through hydraulic shears</i></p>
Handout 3	<p>Suggested responses may include: <i>Intense heat in mills Rolling mills don't have proper ventilation Some newer mills have fans to remove some of the heat</i></p>	<p>Suggested responses may include: <i>Hot steel ingots rolling on conveyor belt Bright white hot flames Men walking very close to hot steel</i></p>
Handout 4	<p>Suggested responses may include: <i>Heat affects workers' skin condition Faces are red and covered with pimples Leaving work soaked in perspiration in colder months leads to physical problems. No real proper bathing facilities at most plants</i></p>	<p>Suggested responses may include: <i>Man washing up in dirty trough in plant. Dirt and dust surround the water trough Not a decent bathroom facility No soap or clean towels</i></p>
Handout 5	<p>Suggested responses may include: <i>Men get serious burns from open hearths Cranes moving molten steel cause many accidents Hot metal often splashes on workers</i></p>	<p>Suggested responses may include: <i>Men standing inches away from huge container of molten steel No protective gear on face or hands</i></p>