

# Playdough Core Sampling Activity





















Version B: Lignite 101

Mine Name: \_\_\_\_\_

Group Member Names: \_\_\_\_\_

## Core Sampling Grid

Each mark on the straw illustration is ten feet.

	A	B	C	D	E	F
1	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____
2	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____
3	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____	Coal: __Yes __No  Seam Thickness _____ Overburden Depth _____ Value/Ton _____

## Questions

- How many of your core samples had coal? \_\_\_\_\_
- What was the thickest coal seam you discovered? Each mark equals 10 feet.  
\_\_\_\_\_
- Your coal mining company wants to make at least \$17/ton for the coal. Which grid squares should be mined?  
\_\_\_\_\_