Chemistry Mole Conv	versions — 1-step	Name Date	Block
	on (1 ) 1 > 15 (1)	1 118.029 Hz0	(1.4 moi H20)
2. Ho	ow many grams are in 4.5 moles of lithium oxide?	5 mol Li20 29.88 1   Imol Li2	= (134.46 g Li,
	ow many molecules are in 23 moles of oxygen?	3 mol 02 6.02 × 1023	+ × 1025 molec. 02
	ow many moles are in $3.4 \times 10^{23}$ molecules of H <sub>2</sub> SO.	6.02 x	(0.56 mol Hz
5. Ho	ow many molecules are in 25 grams of nitrogen trihy	dride? 25 9 NH 1 100	[,5 mul NHz]
6. Wł	hat is the mass in grams of carbon in 5.0 moles of carbon	? 5 mal C/ 12.01g C = (1	0.05g C
7. Wh	hat is the mass of 4.00 moles of mercury? 4mol Hg	200.59g = 802g Hg	
8. Ho	ow many moles of iron are in 280 g of iron? 280 g	c) Imil Fe FA	121

9. How many moles of aluminum chloride are in 355 grams of aluminum chloride?

chloride do you need to add to the reaction?

10. A reaction requires 0.054 moles of ammonium chloride to react. What mass (in grams) of ammonium

0.054 mul NHq C/ 51,509