

1



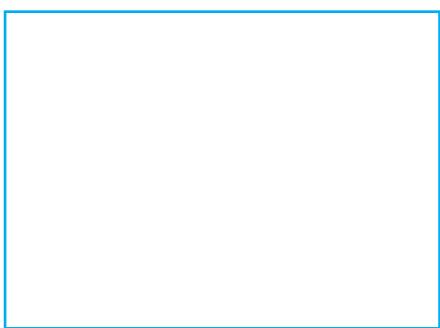
hydrogen

2



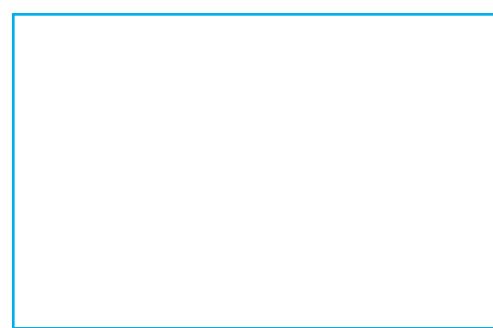
helium

3



lithium

4



beryllium

**5**



**boron**

**6**



**carbon**

**7**



**nitrogen**

**8**



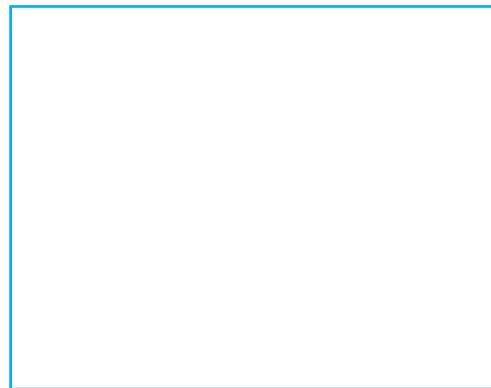
**oxygen**

9



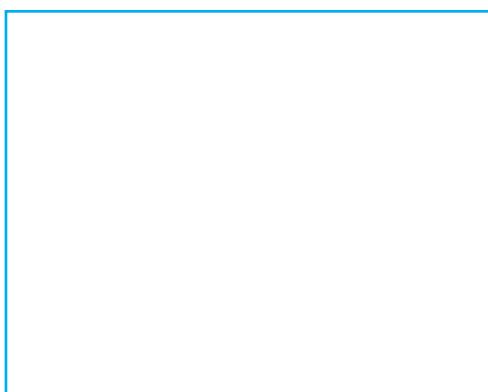
fluorine

10



neon

11



sodium

12



magnesium

**13**

aluminum

**14**

silicon

**15**

phosphorus

**16**

sulphur

**17**

chlorine

**18**

argon

**19**

potassium

**20**

calcium

**21**

scandium

**22**

titanium

**23**

vanadium

**24**

chromium

**25**

manganese

**26**

iron

**27**

cobalt

**28**

nickel

29



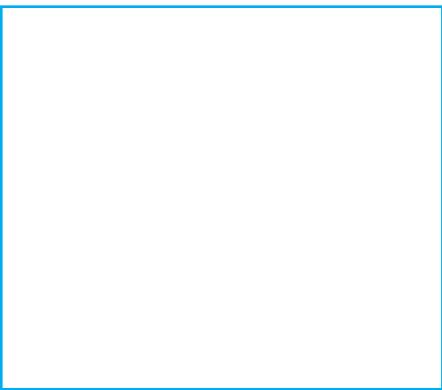
copper

30



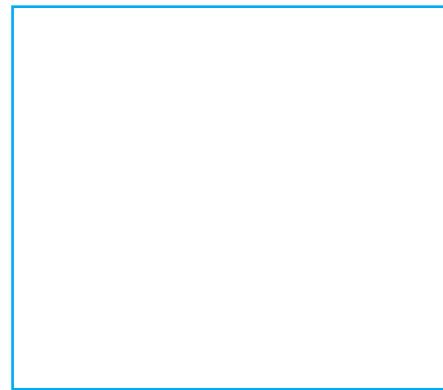
zinc

31



gallium

32



germanium

**33**

arsenic

**34**

selenium

**35**

bromine

**36**

krypton

**37**

**rubidium**

**38**

**strontium**

**39**

**yttrium**

**40**

**zirconium**

**41**

niobium

**42**

molybdenum

**43**

**44**

technetium

ruthenium

**45**

rhodium

**46**

palladium

**47**

silver

**48**

cadmium

**49**



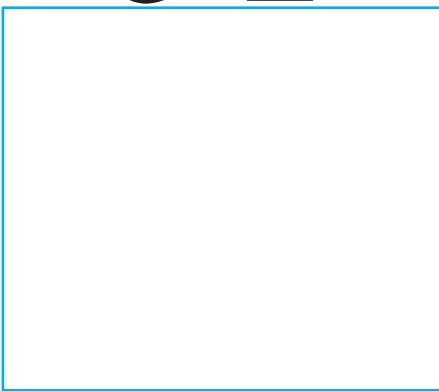
indium

**50**



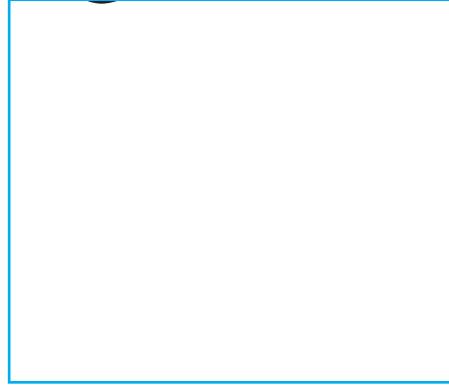
tin

**51**



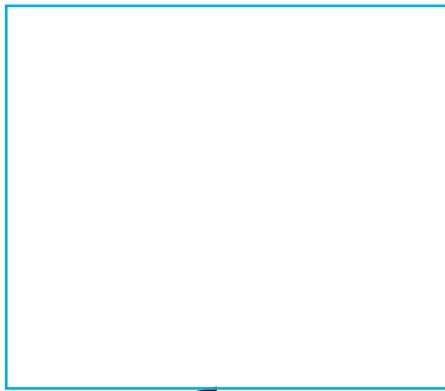
antimony

**52**



tellurium

**53**



iodine

**54**



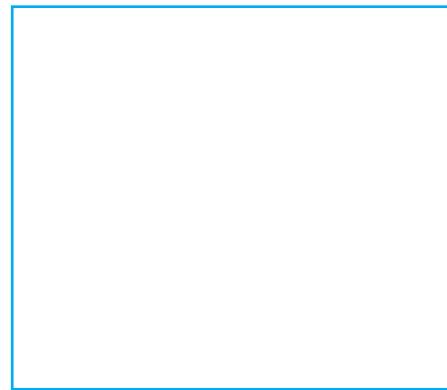
xenon

**55**



cesium

**56**



barium

**57**

lanthanum

**58**

cerium

**59**

praseodymium

**60**

neodymium

**61**

promethium

**62**

samarium

**63**

euro<sup>ium</sup>

**64**

gadolinium

**65**

terbium

**66**

dysprosium

**67**

holmium

**68**

erbium

**69**

thulium

**70**

ytterbium

**71**

lutetium

**72**

hafnium

**73**

tantalum

**74**

tungsten

**75**

rhenium

**76**

osmium

**77**

iridium

**78**

platinum

**79**

gold

**80**

mercury

81

thallium

82

lead

83

bismuth

84

polonium

**85**

astatine

**86**

radon

**87**

francium

**88**

radium

89

actinium

90

thorium

91

protactinium

92

uranium

**93**

neptunium

**94**

plutonium

**95**

americium

**96**

curium

**97**

berkelium

**98**

californium

**99**

einsteinium

**100**

fermium

**101**

**102**

**medelevium**

**nobelium**

**103**

**104**

**lawrencium**

**rutherfordium**

**105**

dubnium

**106**

seaborgium

**107**

bohrium

**108**

hassium

**109**



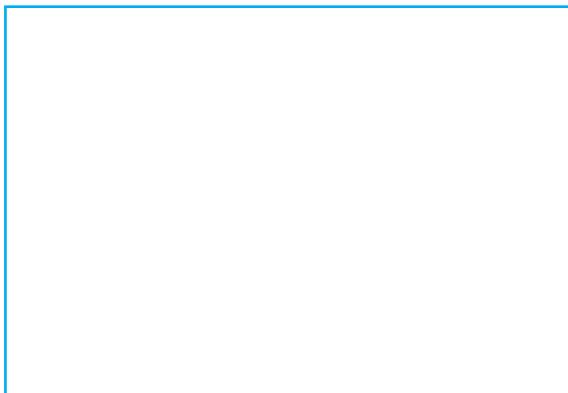
meitnerium

**110**



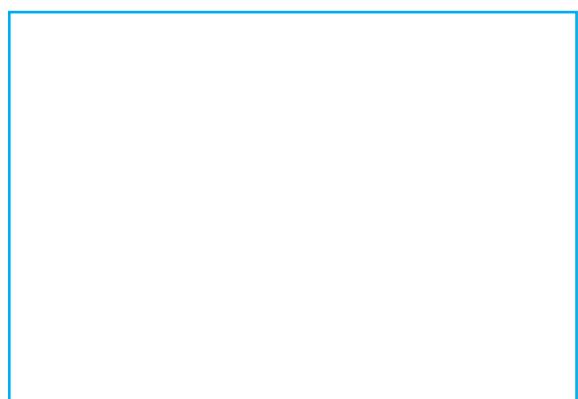
darmstadtium

**111**



roentgenium

**112**



copernicium

**113**

ununtrium

**114**

ununquadium

**115**

ununpentium

**116**

ununhexium

117

118

ununseptium

ununoctium

B

C

Li

Be

H

N

F

Ne

Si

Mg

O

K

Na

Cl

P

He

S

Ar

Al

Sc

Ti

Ca

Mn

Fe

Ni

V

Cr

Co

Cu

Zn

As

Se

Ga

Ge

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Kr

Rb

Sr

Rh

Zr

Nb

Pd

Mo

Ru

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Y

Cd

Ag

Xe

In

Te

Sn

Ce

Sb

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La

Cs

Eu

Ba

Pm

Pr

Sm

Hf

Nd

Gd

Tb

Tm

Dy

Yb

Er

Lu

W

Ho

Ta

**Ir**

**Tl**

**Au**

**Pb**

**Pt**

**Bi**

**Hg**

**Po**

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Cf

Uuo

Uut

Uus

Up

Cp

Re

Os

At

Rn

Fr

Ra

Ac

Th

**Pa**

**Pu**

**U**

**Cm**

**Es**

**Am**

**Np**

**Md**

Fm

Db

No

Bh

Lr

Sg

Rf

Hs

Mt

Uuh

Ds

Rg

Uuq