



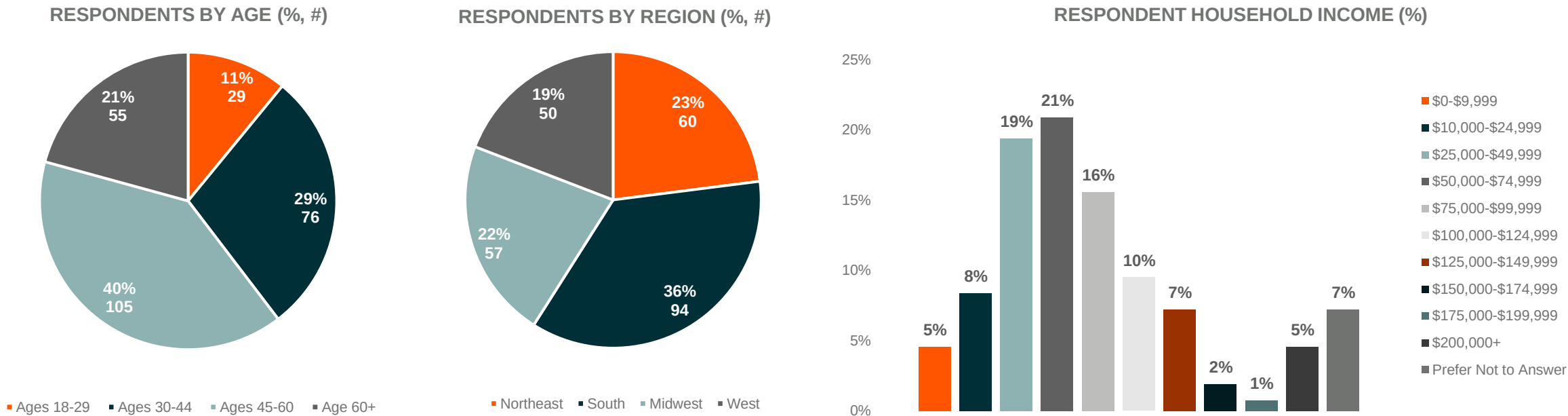
June 2022 Survey

American Familiarity with and Perspective on Disruptive Materials

—
Q2 2022

Survey: Age, Region, Lifestyle Demographics

In June 2022, Global X Research surveyed 263 individuals in the United States on their familiarity with Disruptive Materials¹ and their end products.



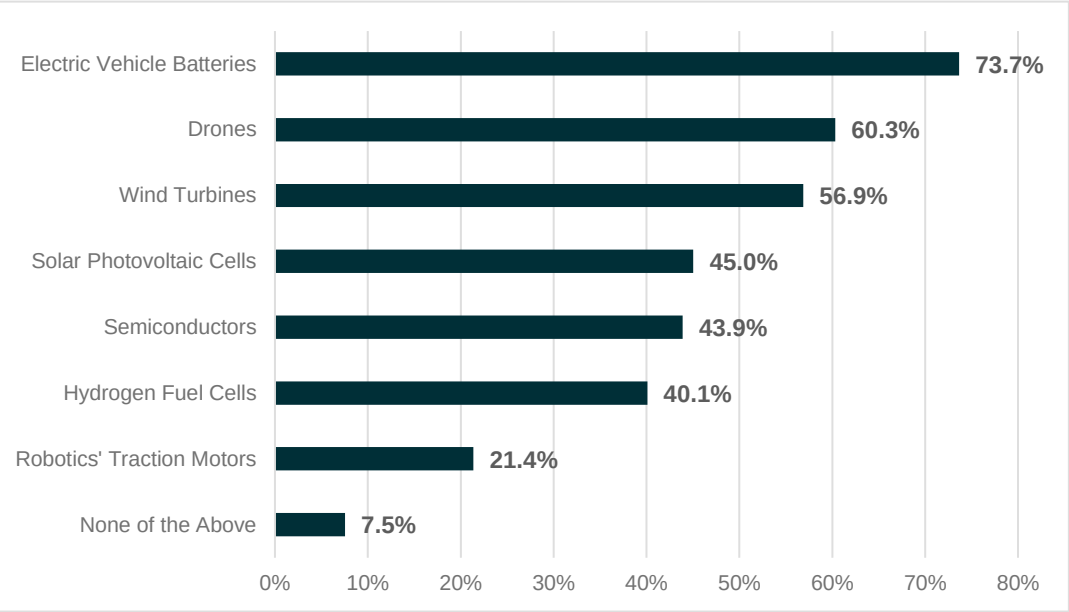
Source: Global X, June 2022.

1. Note: Disruptive Materials are metals, minerals and elements that are expected to be of high importance in the future due to their use in emerging technologies. The list includes: Rare Earth Materials, Zinc, Palladium & Platinum, Nickel, Manganese, Lithium, Graphene & Graphite, Copper, Cobalt, Carbon Fiber & Carbon Materials.

Technologies From Disruptive Materials Are Widely Known And Their Applications Are Considered Important

OVER HALF OF RESPONDENTS HAVE FAMILIARITY WITH POPULAR APPLICATIONS OF DISRUPTIVE MATERIALS

Q: WHICH OF THE LISTED PURPOSES OF DISRUPTIVE MATERIALS ARE FAMILIAR TO YOU? (CHECK ALL THAT APPLY).
(% OF RESPONDENTS)

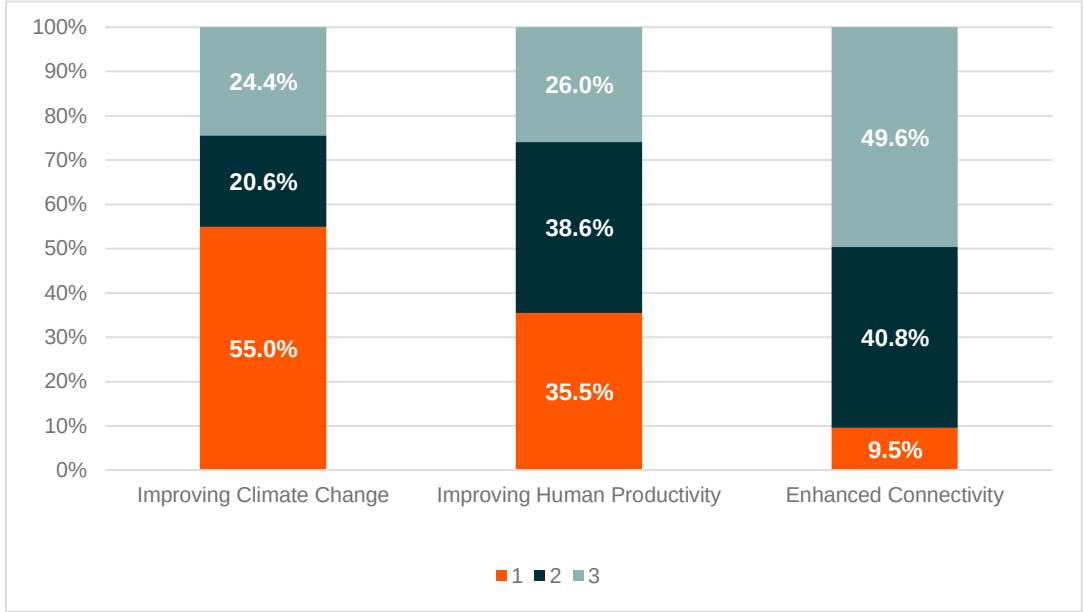


Note: N = 262
Source: Global X, June 2022.



COMBATTING CLIMATE CHANGE IS RANKED AS TOP PRIORITY WHEN CONSIDERING DISRUPTIVE MATERIALS

Q: WHICH INTENDED USAGE OF DISRUPTIVE MATERIAL TECHNOLOGY IS MOST IMPORTANT TO YOU? RANK YOUR ANSWERS FROM 1-3 WITH 1 BEING MOST IMPORTANT AND 3 BEING LEAST IMPORTANT.
(% OF RESPONDENTS)



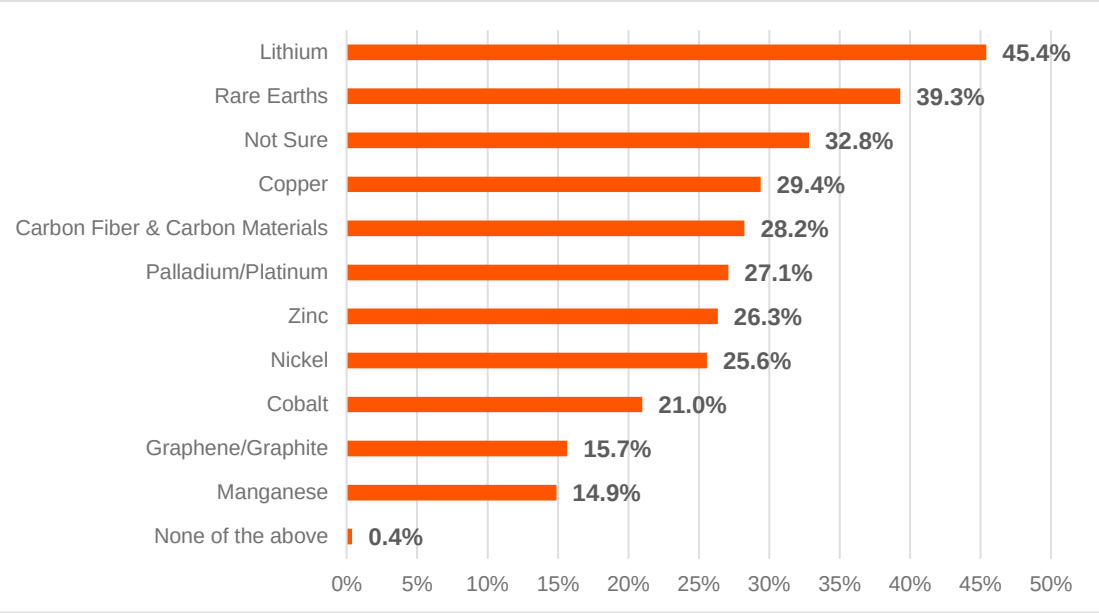
Note: N = 262
Source: Global X, June 2022.



There Are Strong Sentiments Regarding Which Disruptive Materials Are Critical And Their Supply Chain Challenges

RESPONDENTS CONSIDER LITHIUM AS THE MOST CRITICAL DISRUPTIVE MATERIAL, FOLLOWED BY RARE EARTHS CLOSE BEHIND

Q: WHICH OF THE FOLLOWING DISRUPTIVE MATERIALS DO YOU CONSIDER IT TO BE OF CRITICAL AND STRATEGIC IMPORTANCE? SELECT ALL THAT APPLY.
(% OF RESPONDENTS)

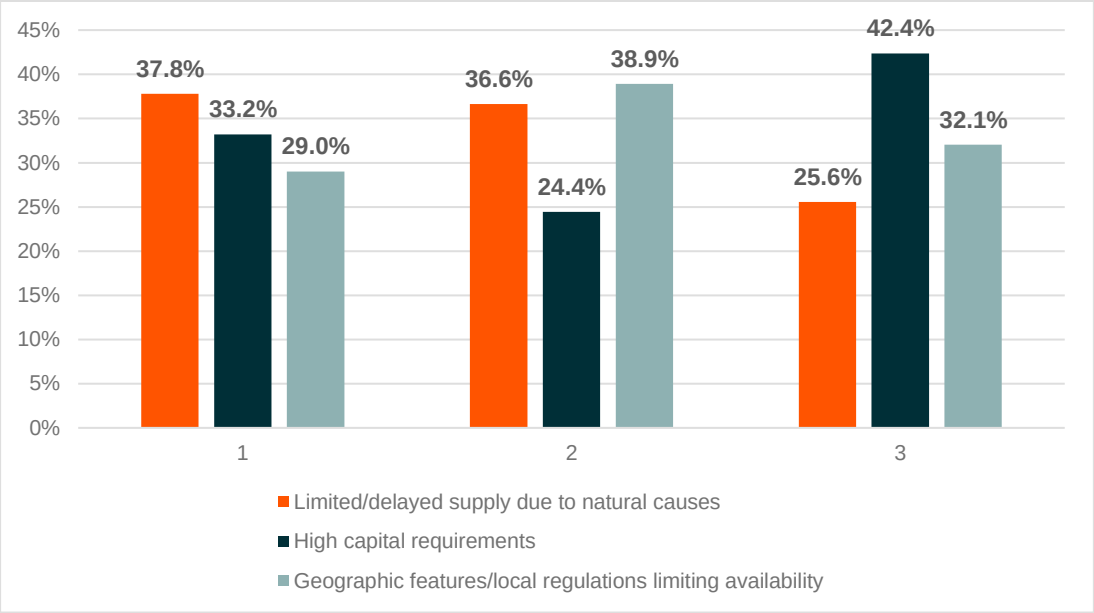


Note: N = 262
Source: Global X, June 2022.



THOSE SURVEYED TYPICALLY FIND LIMITED SUPPLY OF NATURAL RESOURCES THE MOST CONCERNING SUPPLY CHAIN CHALLENGE

Q: RANK DISRUPTIVE MATERIAL SUPPLY CHAIN CHALLENGES IN ORDER OF MOST TO LEAST CONCERNING, WITH 1 BEING MOST AND 3 BEING LEAST.
(% OF RESPONDENTS)



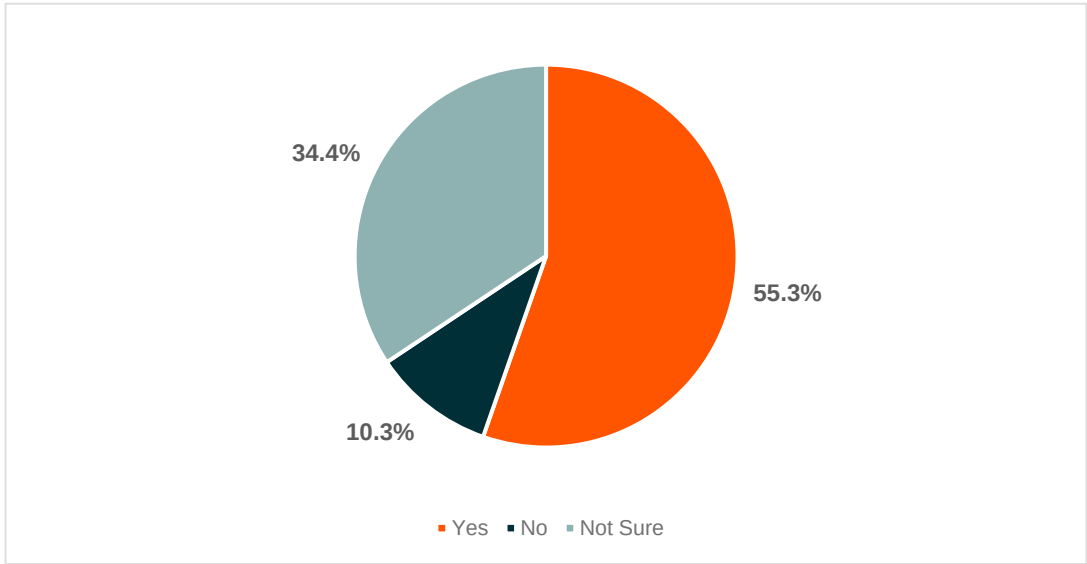
Note: N = 262
Source: Global X, June 2022.



Disruptive Materials Are Generally Considered Very Relevant In The Context Of Greater Connectivity

OVER HALF OF RESPONDENTS VIEW DISRUPTIVE MATERIALS AS CRITICAL FOR TECHNOLOGICAL PROGRESSION

Q: DO YOU THINK DISRUPTIVE MATERIALS ARE ESSENTIAL TO GREATER CONNECTIVITY AND TECHNOLOGICAL PROGRESSION?
(% OF RESPONDENTS)

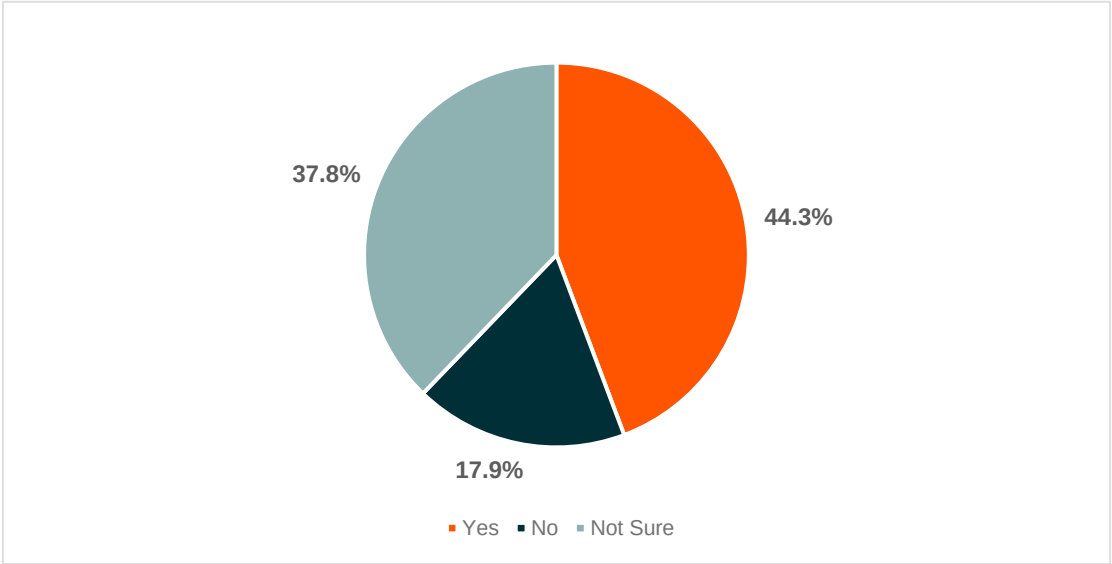


Note: N = 262
Source: Global X, June 2022.



NEARLY HALF OF THOSE SURVEYED FEEL DISRUPTIVE MATERIALS ARE ESSENTIAL FOR SUSTAINABILITY EFFORTS

Q: DO YOU THINK DISRUPTIVE MATERIALS ARE ESSENTIAL TO PRESERVING THE CLIMATE AND REDUCING HARMFUL EMISSIONS?
(% OF RESPONDENTS)



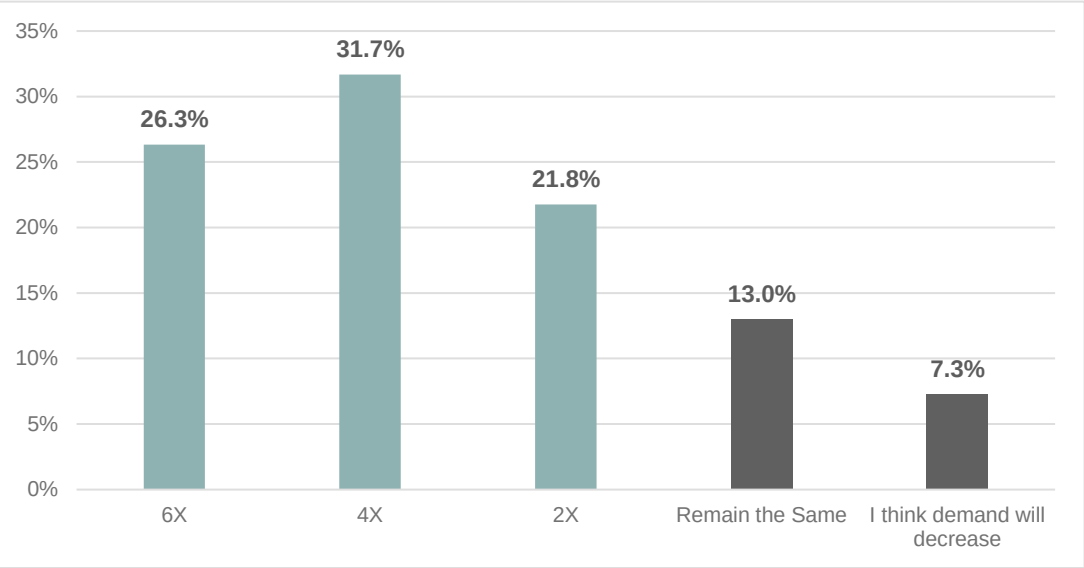
Note: N = 262
Source: Global X, June 2022.



Majority Of Survey Respondents Agree That Disruptive Materials Play A Role Fighting Climate Change Efforts

ONLY A FIFTH OF RESPONDENTS BELIEVE DISRUPTIVE MATERIAL DEMAND TO FIGHT CLIMATE CHANGE WILL REMAIN THE SAME OR DECREASE BY 2040

Q: WITH REGARDS TO CLIMATE CHANGE, HOW MUCH DO YOU THINK DISRUPTIVE MATERIAL DEMAND CAN POSSIBLY GROW BY 2040?
(% OF RESPONDENTS)

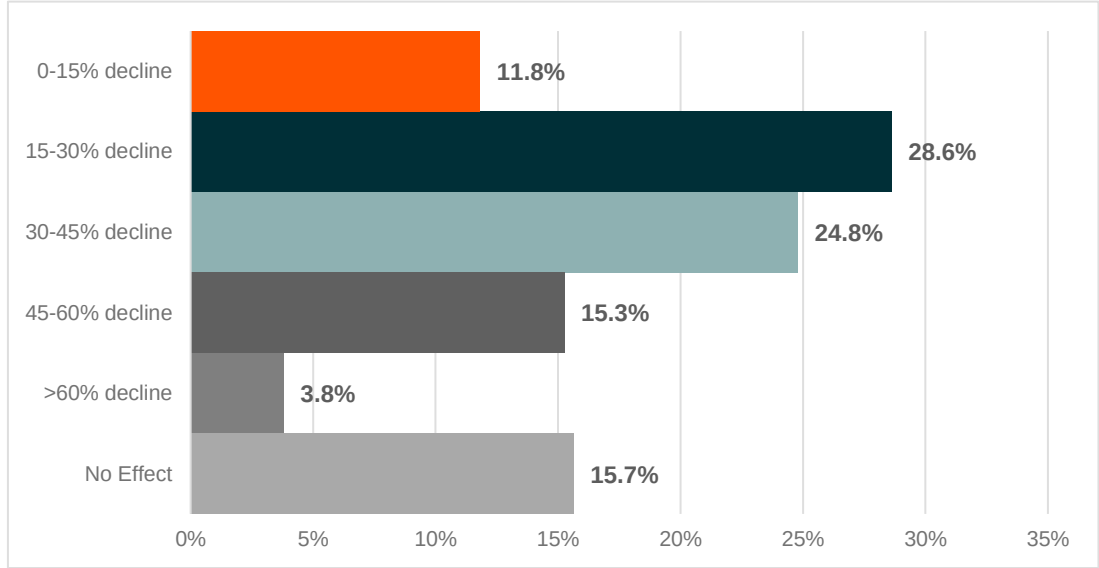


Note: N = 262
Source: Global X, June 2022.



ABOUT 85 PERCENT OF RESPONDENT BELIEVE DISRUPTIVE MATERIALS WILL SHIFT SOME REVENUE AWAY FROM FOSSIL FUELS

Q: BY WHAT PERCENT CAN WE EXPECT INCREASED INVESTMENTS INTO DISRUPTIVE MATERIALS TO SHIFT REVENUE AWAY FROM FOSSIL FUELS?
(% OF RESPONDENTS)



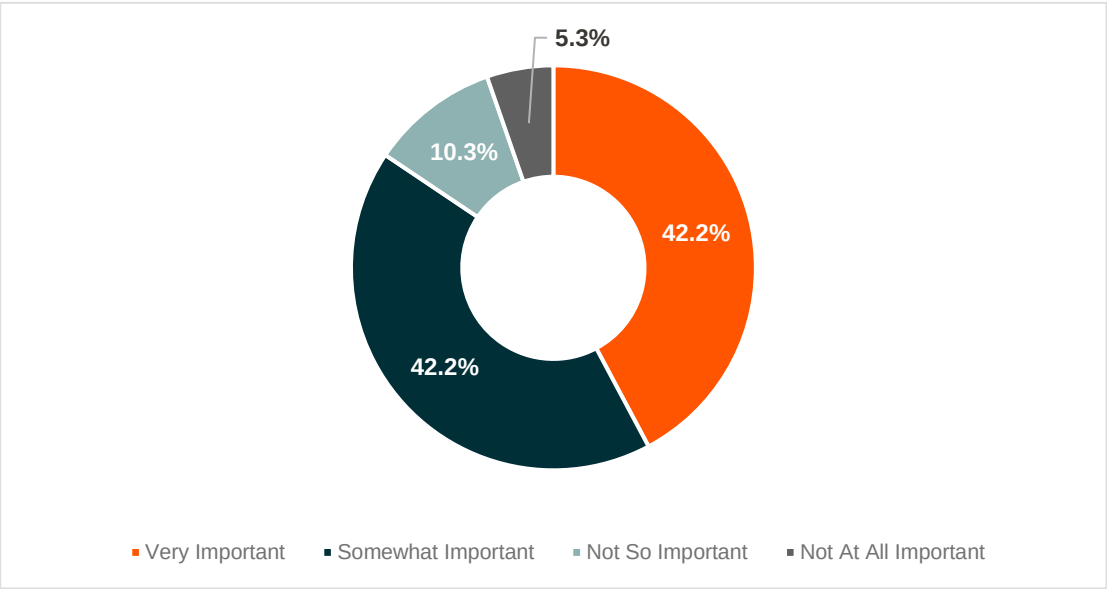
Note: N = 262
Source: Global X, June 2022.



Common Disruptive Materials Such As Lithium And Rare Earth Materials Are Seen As Important By Those Surveyed

OVER 80 PERCENT OF RESPONDENTS VIEW LITHIUM AS AT LEAST SOMEWHAT IMPORTANT

Q: LITHIUM-ION BATTERIES ARE THE MOST COMMON TYPE OF ELECTRIC VEHICLE BATTERY. IN THE SCOPE HELPING CLIMATE CHANGE EFFORTS AND REDUCING CARBON EMISSIONS, HOW IMPORTANT DO YOU THINK LITHIUM IS? (% OF RESPONDENTS)

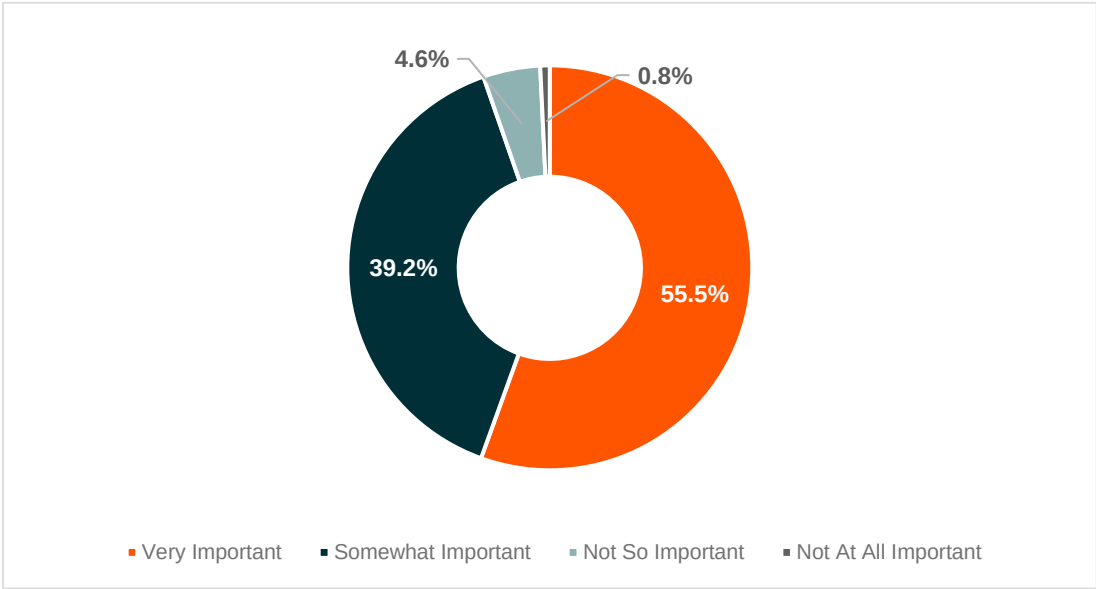


Note: N = 263
Source: Global X, June 2022.



NEARLY 95 PERCENT OF RESPONDENTS VIEW RARE EARTH MATERIALS AS AT LEAST SOMEWHAT IMPORTANT

Q: RARE EARTH MATERIALS ARE A VITAL COMPONENT OF CREATING SEMICONDUCTORS WHICH ARE USED IN MANUFACTURING DEVICES USED FOR HEALTHCARE, MILITARY, TRANSPORTATION, COMPUTING, AND MORE. HOW IMPORTANT DO YOU THINK RARE EARTH MATERIALS ARE? (% OF RESPONDENTS)



Note: N = 263
Source: Global X, June 2022.



Global X ETF Suite

Global X's fund suites comprise of 94 ETFs in total, spanning Thematic Growth, Income, International Access, Commodities, and Other Strategies.¹

Disruptive Technology

Social Media ETF (SOCL)
Lithium & Battery Tech ETF (LIT)
FinTech ETF (FINX)
Internet of Things ETF (SNSR)
Robotics & Artificial Intelligence ETF (BOTZ)
Autonomous & Electric Vehicles ETF (DRIV)
Artificial Intelligence & Technology ETF (AIQ)
Cloud Computing ETF (CLOU)
Video Games & Esports ETF (HERO)
Cybersecurity ETF (BUG)
Data Center REITs & Digital Infrastructure ETF (VPN)
Blockchain & Bitcoin Strategy ETF (BITS)
Blockchain ETF (BKCH)
Metaverse ETF (VR)

People & Demographics

Millennial Consumer ETF (MILN)
Aging Population ETF (AGNG)

Health & Wellness ETF (BFIT)
E-commerce ETF (EBIZ)
Cannabis ETF (POTX)
Education ETF (EDUT)
Telemedicine & Digital Health (EDOC)
Genomics & Biotechnology ETF (GNOM)
China Biotech Innovation ETF (CHB)
Emerging Markets Internet & E-commerce ETF (EWEB)

Physical Environment

U.S. Infrastructure Development ETF (PAVE)
Renewable Energy Producers ETF (RNRG)
CleanTech ETF (CTEC)
Clean Water ETF (AQWA)
Wind Energy ETF (WNDY)
Solar ETF (RAYS)
Hydrogen ETF (HYDR)
AgTech & Food Innovation ETF (KROP)
Disruptive Materials ETF (DMAT)

Green Building ETF (GRNR)

Multi-Theme

Thematic Growth ETF (GXTG)
China Innovation ETF (KEJI)

Dividend

SuperDividend ETF (SDIV)
SuperDividend U.S. ETF (DIV)
MSCI SuperDividend EAFE ETF (EFAS)
MSCI SuperDividend Emerging Markets ETF (SDEM)
SuperDividend REIT ETF (SRET)
Alternative Income ETF (ALTY)
S&P 500 Quality Dividend ETF (QDIV)

Covered Call

Dow 30 Covered Call ETF (DJIA)
Nasdaq 100 Covered Call ETF (QYLD)
S&P 500 Covered Call ETF (XYLD)
Russell 2000 Covered Call ETF (RYLD)
Nasdaq 100 Covered Call & Growth ETF (QYLG)
S&P 500 Covered Call & Growth ETF (XYLG)

¹As of June 2022

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Preferreds

U.S. Preferred ETF (PFFD)
Variable Rate Preferred ETF (PFFV)
SuperIncome Preferred ETF (SPFF)

MLPs

MLP ETF (MLPA)
MLP & Energy Infrastructure ETF (MLPX)

Fixed Income

Emerging Markets Bond ETF (EMBD)

Risk Managed Income

Nasdaq 100 Risk Managed Income ETF (QRMI)
S&P 500 Risk Managed Income ETF (XRMI)

China Sector

MSCI China Energy ETF (CHIE)
MSCI China Materials ETF (CHIM)
MSCI China Industrials ETF (CHII)
MSCI China Consumer Discretionary ETF (CHIQ)

MSCI China Consumer Staples ETF (CHIS)
MSCI China Health Care ETF (CHIH)
MSCI China Financials ETF (CHIX)
MSCI China Information Technology ETF (CHIK)
MSCI China Communication Services ETF (CHIC)
MSCI China Utilities ETF (CHIU)
MSCI China Real Estate ETF (CHIR)

Single-Country

MSCI Argentina ETF (ARGT)
DAX Germany ETF (DAX)
MSCI Greece ETF (GREK)
MSCI Colombia ETF (GXG)
MSCI Nigeria ETF (NGE)
MSCI Norway ETF (NORW)
MSCI Pakistan ETF (PAK)
MSCI Portugal ETF (PGAL)
MSCI Vietnam ETF (VNAM)

Regional

MSCI Next Emerging & Frontier ETF (EMFM)
FTSE Southeast Asia ETF (ASEA)

Commodities

Silver Miners ETF (SIL)
Gold Explorers ETF (GOEX)
Copper Miners ETF (COPX)
Uranium ETF (URA)

Adaptive

Adaptive U.S. Factor ETF (AUSF)

Sustainable Investing

Conscious Companies ETF (KRMA)

Faith-Based

S&P 500 Catholic Values ETF (CATH)
S&P 500 Catholic Values Developed ex-U.S. ETF (CEFA)

Risk Management

Adaptive U.S. Risk Management ETF (ONOF)
Nasdaq 100 Collar 95-110 ETF (QCLR)

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Nasdaq 100 Tail Risk ETF QTR)

S&P 500 Collar 95-110 ETF (XCLR)

S&P 500 Tail Risk ETF (XTR)

Alpha

Guru Index ETF (GURU)

Founder-Run Companies ETF (BOSS)

¹As of June 2022

Risk Information

Investing involves risk. Narrowly focused investments may be subject to higher volatility. The investable universe for thematic ETFs may be limited. Technology themed investments may be subject to rapid changes in technology, intense competition, rapid obsolescence of products and services, loss of intellectual property protections, evolving industry standards and frequent new product productions, and changes in business cycles and government regulation. International investments, including emerging markets, may involve risk of capital loss from unfavorable fluctuation in currency values, from differences in generally accepted accounting principles or from social, economic or political instability in other nations. There are additional risks associated with investing in base and precious metals as well as their respective mining industries.

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